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SUBJECT CLASSIFICATION

This is a list of headings, with code numbers, under which articles were classified during the first half of 1967. The headings in capital letters are identical with those appearing in the monthly issues.

00. GENERAL

- 00 General mathematics
- 04 Collections of papers
- 20 Bibliographies
- 30 Dictionaries and other reference works
- 40 Reports of meetings
- 50 Methodology and philosophy of mathematics.
Philosophy of science, general

01. HISTORY AND BIOGRAPHY

- 05 Ancient
- 10 India, Far East, Maya, etc.
- 15 Medieval and Renaissance
- 20 17th century
- 25 18th century
- 30 19th century
- 35 20th century
- 40 Contemporary
- 50 Biographies, obituaries, personalia
- 60 Collected or selected works; reprintings or translations of classics
- 70 Source books

02. LOGIC AND FOUNDATIONS

- 15 Formalizing verbal reasoning
- 20 Syntax, semantics, deducibility
- 30 Propositional calculus: two-valued
- 32 Logical calculus: first-order, two-valued (functional calculus)
- 40 Logistic, axiomatic set theory, paradoxes
- 50 Many-valued logic, modal logic
- 60 Recursive function theory, Turing computability
- 70 Intuitionism
- 75 Axioms for mathematical systems
- 80 Metatheorems for mathematical systems
- 90 Undecidability, unsolvability in mathematical systems
- 95 Abstract automata theory (see also 94.00)

04. SET THEORY

- 15 Point sets
- 20 Relations
- 30 Transfinite numbers
- 35 Problem of the continuum
- 60 Combinatorial (partitions, etc.)

05. COMBINATORIAL ANALYSIS

- 10 Partitioning, subsets, etc.
- 20 Matrices, magic squares, block designs, configurations
- 30 Factorials, binomial coefficients, polynomials, power series
- 40 Graphs
- 50 Enumeration of graphs

06. ORDER, LATTICES

- 10 Total order
- 20 Partial order
- 30 Lattices
- 40 Modular lattices, continuous geometries
- 50 Distributive lattices
- 60 Boolean algebras and rings
- 70 Boolean algebras with operators

08. GENERAL MATHEMATICAL SYSTEMS

10. THEORY OF NUMBERS

- 005 Tables
- 01 Elementary
- 05 Power residues and reciprocity laws, primitive roots, indices; general binomial congruences
- 10 Diophantine equations
- 20 Diophantine approximation
- 25 Continued fractions and other expansions
- 28 Irrationality, transcendence
- 30 Forms
- 40 Geometry of numbers
- 50 Exponential and power sums
- 54 Turán's method
- 55 Modular and automorphic functions, forms, and groups
- 60 Multiplicative asymptotic theory
- 62 Zeta-function and other Dirichlet series
- 64 Character sums, asymptotic theory
- 65 Distribution of primes
- 70 Additive asymptotic theory
- 75 Sequences of integers (additive bases, density theorems, etc.)
- 80 Probabilistic number theory
- 82 Distribution mod 1
- 85 Arithmetic of hypercomplex numbers
- 90 Algebraic number theory
- 95 Class field theory
- 96 Algebraic function fields
- 97 p -adic fields
- 98 Finite fields

12. FIELDS AND POLYNOMIALS

- 20 Finite fields
- 30 Polynomials
- 40 Galois theory
- 50 Algebraic number fields
- 60 Algebraic function fields
- 70 Valuations, topological fields
- 80 Differential and difference algebra

14. ABSTRACT ALGEBRAIC GEOMETRY (for classical algebraic geometry, see 50.00)

- 10 Theories of equivalence
- 15 Transformations and correspondences
- 20 Curves
- 35 Algebraic properties of function fields
- 40 Arithmetical properties of varieties
- 45 Algebraic geometry over special fields or over rings; rationality questions
- 50 Group varieties, abstract analytic groups
- 52 Abstract derivations and differentials
- 55 Sheaf-theoretic and homological methods
- 60 Birational invariants, genera, etc.

15. LINEAR ALGEBRA

- 05 Vector spaces
- 15 Linear inequalities
- 20 Inequalities involving eigenvalues and eigenvectors
- 25 Miscellaneous inequalities involving matrices
- 30 Eigenvalues and eigenvectors
- 33 Canonical forms, reductions
- 36 Linear sets of linear transformations
- 38 Matrix equations and identities
- 39 Invariants

- 40 Multilinear algebra
- 48 Determinants
- 49 Permanents
- 50 Linear equations, matrix inversion
- 16. ASSOCIATIVE RINGS AND ALGEBRAS
 - 10 Ideal theory
 - 13 Commutative ideal theory
 - 20 General commutative theory
 - 24 Polynomials
 - 26 Formal power series
 - 28 Local rings
 - 30 Division rings, simple rings and algebras
 - 35 Structure of rings
 - 40 Radical theory
 - 45 Rings with chain condition
 - 50 Linear representations of rings and algebras (including orders)
 - 60 Modules
 - 70 Galois theory
 - 80 Ordered rings
 - 90 Topological rings
 - 95 Semi-rings, etc.
- 17. NON-ASSOCIATIVE RINGS AND ALGEBRAS
- 18. HOMOLOGICAL ALGEBRA
- 20. GROUP THEORY AND GENERALIZATIONS
 - 10 Free groups, relations
 - 14 General products of groups
 - 16 Group extensions
 - 20 Permutation groups
 - 25 Finite groups (including finite abelian)
 - 28 Burnside problem, conditions for finiteness
 - 30 Abelian groups, general theory
 - 40 Nilpotent, solvable, p -groups
 - 45 Groups with local properties
 - 50 Lattices of subgroups
 - 55 Special subgroups
 - 60 Crystallographic and discrete geometric groups
 - 65 Modular groups, discrete subgroups of classical groups
 - 70 Classical groups
 - 75 Linear groups, general
 - 80 Representations, characters, group algebras
 - 85 Representations of symmetric groups
 - 88 Automorphisms and endomorphisms, groups with operators
 - 90 Ordered groups, ordered semigroups
 - 92 Semigroups
 - 94 Groupoids
 - 96 Quasigroups
 - 98 Loops
- 22. TOPOLOGICAL GROUPS AND LIE THEORY
 - 10 Topological groups
 - 12 Haar measures
 - 15 Topological algebras
 - 40 Transformation groups
 - 50 Lie groups
 - 55 Classical groups
 - 60 Representations and analysis
 - 70 Homogeneous spaces (topology, differential geometry)
 - 80 Lie algebras
 - 90 Abstract Lie theory
 - 95 Infinite Lie groups
 - 99 Lie theory of differential equations
- 26. FUNCTIONS OF REAL VARIABLES
 - 10 Foundations: limits and generalizations [elementary topology of the line (or plane) if used for real variables]
 - 20 Calculus: elementary, advanced, etc.
- 21 Elementary functions
- 30 Continuity and related questions (modulus of continuity [if not used in boundary behavior of analytic functions], discontinuities, etc.)
- 40 Differentiation: general theory
- 41 Non-differentiability (non-differentiable functions, points of non-differentiability), discontinuous derivatives
- 43 Generalized derivatives, derivatives of fractional order
- 47 Mean-value theorems
- 50 Monotonic functions, general
- 51 Functions of bounded variation; absolute continuity
- 52 Convexity; generalizations
- 53 Generalized monotonic functions
- 55 Several variables, implicit function theorems, Jacobians, transformations with several variables
- 58 Length, area, volume
- 60 Polynomials
- 70 Inequalities (of a general and miscellaneous character)
- 80 Real-analytic functions
- 81 Quasi-analytic classes of real functions, functions of class C^∞
- 85 Superposition of functions
- 28. MEASURE AND INTEGRATION
 - 10 Measurable sets, general: Borel fields, non-measurable sets
 - 12 Analytic and Suslin sets
 - 13 Finitely additive set functions, measures; generalizations
 - 15 Special and generalized measures, Carathéodory theory of measure
 - 17 Transfinite diameter and capacity. Hausdorff measures and capacities
 - 20 Measurable and non-measurable functions
 - 25 Integration, general
 - 26 Riemann integral, Lebesgue integral, Denjoy integral, etc.
 - 30 Measure-preserving transformations
 - 31 Invariant measures
 - 32 Ergodic theorems
 - 33 Dynamical systems
 - 40 Length, area, volume
 - 41 Other geometric measure theory
- 30. FUNCTIONS OF A COMPLEX VARIABLE
 - 01 General questions, foundations
 - 02 Monogenic properties of complex functions (also polygenic and areolar monogenic functions)
 - 09 Inequalities in the complex domain
 - 10 Polynomials
 - 11 Zeros of polynomials
 - 20 Power series
 - 21 Behavior on the boundary of convergence. Overconvergence
 - 24 Dirichlet series
 - 25 Continued fractions
 - 28 Analytic continuation
 - 30 Sequences and series of analytic functions; uniform convergence, normal families, normal functions
 - 35 Integration; integral representations; Cauchy integral, Poisson and Poisson-Stieltjes integrals
 - 36 Moment problems; interpolation problems
 - 40 Conformal mapping, general theory
 - 41 Capacity, harmonic measure
 - 42 Univalent and p -valent functions
 - 43 Coefficient problems
 - 45 Riemann surfaces, uniformization
 - 46 Algebraic functions, Abelian integrals
 - 47 Quasiconformal mapping
 - 49 Automorphic functions and modular functions
 - 50 Maximum principle. Schwarz's lemma, Phragmén-Lindelöf theorems
 - 52 Extremal problems in complex domain
 - 55 Entire functions
 - 60 Meromorphic functions, general theory

- 61 Distribution of values, Picard-type theorems, Nevanlinna theory, defect (deficiency) theory
- 62 Theory of cluster sets, prime ends, boundary behavior
- 65 Bounded functions, positive real part, Blaschke products
- 66 Bounded mean modulus, bounded characteristic
- 67 H_p classes and other restrictions
- 70 Approximation by polynomials and rational functions, Faber polynomials
- 75 Boundary-value problems, Dirichlet problem
- 77 Special boundary-value problems; Riemann-Hilbert problem. Inverse boundary problems
- 79 Algebraic functions
- 80 Topological function theory, functions topologically equivalent to analytic mappings
- 81 Generalized analytic mappings. Pseudo-analytic functions of Bers, Vekua, etc.
- 83 Functions of hypercomplex variables and generalized variables
- 85 Spaces of analytic functions
- 86 Kernel function and applications
- 87 Algebras of analytic functions
- 31. POTENTIAL THEORY
 - 10 Harmonic functions in the plane
 - 11 Harmonic functions, general
 - 15 Subharmonic, superharmonic functions
 - 20 Boundary-value problems, Dirichlet problem
 - 21 Capacity and harmonic measure
 - 22 Generalized capacity and potential
 - 30 Biharmonic and polyharmonic functions and equations
 - 35 Poisson's equation
- 32. SEVERAL COMPLEX VARIABLES
 - 02 Foundations, general questions
 - 10 Multiple power series, formal theory
 - 15 Analytic and meromorphic curves
 - 20 Holomorphic mappings, domains of holomorphy, analytic spaces (see also 57.00)
 - 25 Automorphic functions
 - 30 Approximation theorems
- 33. SPECIAL FUNCTIONS
 - 04 Number-theoretic functions, special sequences
 - 05 Tables of special functions
 - 10 Exponential and trigonometric functions
 - 15 Gamma and beta functions
 - 17 Error function, probability integral
 - 19 Elliptic functions and integrals
 - 20 Hypergeometric functions
 - 21 E -functions
 - 25 Cylindrical functions; Bessel functions
 - 27 Spherical functions; Legendre polynomials and functions, spherical harmonics, ultraspherical polynomials
 - 28 Lamé, Mathieu, spheroidal wave functions
 - 30 Wave functions
 - 32 Gegenbauer functions
 - 40 Orthogonal polynomials, general (Chebyshev, Hermite, Jacobi, Laguerre polynomials and functions)
- 34. ORDINARY DIFFERENTIAL EQUATIONS
 - 02 Solutions in closed form; integration by quadratures; reduction of differential equations
 - 03 Operational calculus
 - 04 General existence and uniqueness theorems, Picard approximations and generalizations
 - 07 Continuous dependence of solution on parameter
 - 10 Analytic theory
 - 20 Linear equations and systems, general coefficients
 - 21 Linear equations with constant coefficients
 - 22 Linear equations with periodic and almost periodic coefficients
 - 30 Boundary-value problems, linear equations
 - 31 Sturm-Liouville theory
 - 32 Eigenvalues, eigenfunctions
- 33 Eigenfunction expansions
- 34 Asymptotic properties of eigenfunctions
- 36 Boundary-value problems, non-linear
- 40 Qualitative theory of first- and second-order equations and systems; singular points and limit cycles
- 41 Periodic and almost periodic solutions
- 42 Non-linear oscillations
- 43 Stability of first- and second-order equations and systems
- 50 Qualitative theory of equations and systems of order greater than 2; asymptotic behavior of solutions
- 51 Stability; periodic and almost periodic solutions
- 53 Perturbations
- 54 Singular perturbations; small parameter with highest derivative
- 60 Stochastic differential equations
- 65 Dynamical systems, systems on manifolds
- 70 Equations and systems of infinite order
- 75 Difference-differential equations
- 76 Solution by finite differences
- 80 Differential equations in Banach and other space
- 85 Optimal control problems
- 35. PARTIAL DIFFERENTIAL EQUATIONS
 - 05 General properties of solutions, Cauchy-Kowalewski theorems, etc.
 - 10 First-order equations and systems
 - 12 Classification of equations and systems
 - 13 Exact equations and integrable systems. Pfaffian equations
 - 15 Characteristics
 - 20 Separation of variables, elementary properties of the equations of mathematical physics
 - 30 Elliptic equations and systems of first and second order
 - 31 Strongly elliptic systems
 - 32 Quasi-linear elliptic equations and systems
 - 33 Schrödinger equation, wave equation
 - 34 Maxwell's equations, Helmholtz equation
 - 35 Spectral analysis, eigenfunctions, operators
 - 36 Elliptic systems and equations of higher order
 - 37 Biharmonic equation
 - 40 Hyperbolic equations and systems of second order
 - 41 Quasi-linear hyperbolic systems and equations of second order
 - 45 Hyperbolic equations and systems of higher order
 - 50 Parabolic equations of second order
 - 55 Equations of mixed type and second order
 - 56 Mixed type, order higher than two
 - 60 Non-linear equations and systems
 - 62 Approximation of solutions
 - 63 Solution by finite differences
 - 65 Special equations: Navier-Stokes, etc.
 - 70 Asymptotic properties
 - 75 Infinite systems, equations of infinite order
 - 80 Equations in Banach spaces and other spaces
- 39. FINITE DIFFERENCES AND FUNCTIONAL EQUATIONS
 - 10 Finite differences, general
 - 12 Solution of ordinary differential equations by finite differences
 - 13 Solution of partial differential equations by finite differences
 - 20 Difference equations
 - 30 Functional equations
- 40. SEQUENCES, SERIES, SUMMABILITY
 - 10 Series and sequences of numbers, general
 - 11 Infinite products
 - 12 Continued fractions
 - 13 Convergence
 - 15 Multiple series and sequences
 - 20 Sequences and series of functions, convergence
 - 30 Summability, general methods
 - 31 Summability, matrix methods
 - 32 Cesàro summability

SUBJECT CLASSIFICATION

- 33 Abel, Poisson summability
 - 35 Summability of double series
 - 40 Convergence and summability of integrals
 - 42 Tauberian theorems
41. APPROXIMATIONS AND EXPANSIONS
- 10 Interpolation
 - 15 Polynomial approximation
 - 17 Approximation by rational functions
 - 20 Approximate quadratures
 - 40 Rate of convergence, degree of approximation, best approximation
 - 41 Constructive theory of functions
 - 45 Approximation by smoothing integrals
 - 50 Asymptotic approximations
 - 55 Other methods of approximation
42. FOURIER ANALYSIS
- 05 Trigonometric polynomials
 - 06 Best approximation by trigonometric polynomials
 - 08 Trigonometric interpolation
 - 10 Fourier coefficients
 - 11 Convergence of Fourier series
 - 15 Orthogonal functions
 - 16 Expansions in orthogonal functions
 - 17 Completeness of sets of orthogonal functions
 - 18 Completeness, closure, spectral synthesis
 - 20 Summability of Fourier and generalized Fourier expansions
 - 25 Fourier transform
 - 26 Other Fourier-type transforms
 - 27 Trigonometric moment problems
 - 30 Almost periodic functions
 - 35 Positive definite functions
 - 40 Multiple Fourier series and integrals
 - 50 Abstract harmonic analysis
44. INTEGRAL TRANSFORMS, OPERATIONAL CALCULUS
- 10 Laplace transform
 - 25 Convolution
 - 28 General transforms
 - 30 Special transforms: Legendre, Hilbert, etc.
 - 32 Multiple transforms
 - 40 Operational calculus
 - 42 Operational calculus in several variables
 - 50 Fractional derivatives and integrals
 - 60 Moment problems
45. INTEGRAL EQUATIONS
- 10 Linear integral equations, general
 - 11 Fredholm equations
 - 12 Eigenvalue problems
 - 13 Volterra equations
 - 15 Singular equations
 - 20 Systems of linear equations
 - 30 Non-linear integral equations
 - 31 Singular non-linear equations
 - 40 Integro-differential equations
46. FUNCTIONAL ANALYSIS
- 10 Topological linear spaces (including normed spaces and Hilbert spaces)
 - 20 Partially ordered linear spaces
 - 30 Special function spaces
 - 40 Distributions
 - 50 Single linear operators in linear or partially ordered spaces
 - 60 Groups or semigroups of linear operators, representations of topological groups
 - 65 Rings of operators, group algebras, abstract topological algebras, and their representations
 - 70 Banach algebras of analytic functions
 - 80 Differential and integral operators
 - 90 Applications of functional analysis
49. CALCULUS OF VARIATIONS
50. GEOMETRY
- 05 Foundations
 - 10 Euclidean
 - 11 Triangles, tetrahedra
 - 12 Circles, spheres
 - 14 Constructions
 - 15 Descriptive geometry
 - 17 Analytic geometry
 - 20 Affine geometry, general
 - 25 Transformations
 - 30 Projective geometry, general
 - 35 Transformations
 - 38 Second-order loci
 - 40 Non-Euclidean geometry (i.e., hyperbolic or elliptic)
 - 46 Minkowski geometry
 - 48 Special geometries
 - 50 Classical algebraic geometry
 - 51 Foundations
 - 52 Transformations
 - 55 Curves
 - 56 Surfaces
 - 57 Abelian varieties, genera, integrals
 - 60 Finite geometries
 - 70 Projective planes
 - 80 Configurations
 - 90 Regular figures, divisions of space
 - 95 Paradoxical decompositions
52. CONVEX SETS AND GEOMETRIC INEQUALITIES
- 10 Convex polyhedra
 - 25 Convex curves
 - 30 Convex regions
 - 34 Helly-type theorems
 - 40 Extremum problems and geometric inequalities
 - 45 Packing and covering
 - 50 Distance geometries
53. DIFFERENTIAL GEOMETRY
- 01 Curves and surfaces in Euclidean spaces
 - 04 Minimal surfaces
 - 10 Affine differential geometry
 - 20 Projective differential geometry
 - 25 Conformal differential geometry
 - 30 Non-Euclidean differential geometry
 - 32 Other special differential geometries
 - 35 Vector and tensor analysis
 - 38 Spinor analysis
 - 40 Differentiable manifolds (general theory), e.g., definitions, jets, tangent bundles
 - 42 Differential invariants (local theory), geometric objects
 - 45 Differential calculus (global theory); forms, currents, integration, tensor fields, etc.
 - 50 Connections (general theory), including G -structures
 - 55 Affine connections
 - 60 Projective connections
 - 65 Conformal connections
 - 70 Local Riemannian geometry
 - 72 Riemannian manifolds
 - 75 Global surface theory (convex surfaces)
 - 78 Lorentz metrics and generalizations
 - 80 Kählerian connections and generalizations
 - 85 Finsler spaces and generalizations (areal metrics)
 - 90 Integral geometry
 - 99 Other generalizations (G -spaces of Busemann, etc.)
54. GENERAL TOPOLOGY
- 10 Axiomatics; generalizations of topological spaces
 - 20 General topological spaces
 - 21 Convergence notions

SUBJECT CLASSIFICATION

- 22 Compactness and generalizations
 - 23 Compactifications, other extensions
 - 24 Proximity spaces
 - 25 Uniform spaces
 - 26 Metric spaces, metrizability
 - 27 Dimension theory
 - 28 Mappings
 - 29 Many-valued mappings
 - 30 Continua
 - 35 Topological semigroups, lattices, etc.
 - 40 Topology of E_n , 2-manifolds
 - 50 Topology of E_n , n -manifolds ($n > 2$)
 - 60 Transformation groups
 - 70 Topological dynamics
 - 80 Fixed-point theorems, coincidence theorems, etc.
55. ALGEBRAIC TOPOLOGY
- 10 Graphs, map-coloring
 - 20 Knots, links
 - 30 Homology and cohomology theory
 - 32 Sheaves
 - 34 Cohomology (and homology) operations, Steenrod algebra
 - 36 Periodic transformations, fixed points, coincidences (Smith theory)
 - 38 Dimension theory
 - 40 Homotopy theory, general
 - 42 Algebra of mappings (including cohomotopy groups)
 - 45 Computation of homotopy groups
 - 50 Fiber spaces
 - 52 Spectral sequences
 - 60 Manifolds
 - 62 Classification
 - 64 Mappings
 - 66 Generalized manifolds, local homology
 - 68 Homotopy manifolds
 - 70 Imbedding, immersion
57. TOPOLOGY AND GEOMETRY OF DIFFERENTIABLE MANIFOLDS
- 10 Differentiable structures, cobordism
 - 20 Differentiable mappings, imbeddings, immersions, diffeomorphisms
 - 30 Fiber bundles, tangent bundles
 - 32 Characteristic classes
 - 34 Topology of vector and tensor fields
 - 36 Foliations
 - 40 Topology of Lie groups
 - 45 Topology of homogeneous spaces
 - 50 Analysis on differentiable manifolds
 - 60 Complex manifolds (also in several complex variables)
 - 70 Infinite Lie groups, deformations
60. PROBABILITY
- 05 Foundations
 - 10 Combinatorial probability theory
 - 15 Geometric probability theory
 - 20 Distributions
 - 30 Limit theorems
 - 40 Stochastic processes, general theory
 - 45 Markov processes
 - 48 Branching processes
 - 50 Stationary processes
 - 55 Random walks, Brownian motion
 - 60 Queueing theory, telephone traffic, storage
 - 62 Renewal theory
 - 65 Other special processes
 - 70 Random noise
 - 90 Other applications
62. STATISTICS
- 05 Elementary descriptive statistics
 - 10 Distributions of statistical functions
 - 20 Estimation theory: parametric case
 - 25 Testing of hypotheses: parametric case
 - 30 Multivariate analysis, regression analysis
 - 35 Order statistics
 - 40 Non-parametric methods
 - 50 Analysis of experiments
 - 55 Design of experiments
 - 60 Decision theory
 - 65 Multistage decision procedures, sequential analysis
 - 70 Statistical engineering, quality control
 - 75 Life testing
 - 80 Sampling surveys
 - 85 Statistical analysis of stochastic processes, time series analysis
 - 90 Applications
65. NUMERICAL METHODS
- 05 General mathematical methods, iteration, tables
 - 15 Monte Carlo methods
 - 20 Interpolation, smoothing, least squares, curve fitting, approximation of functions
 - 25 Computation of special functions, series, integrals
 - 30 Mathematical programming
 - 35 Linear equations, determinants, matrices
 - 40 Eigenvalues, eigenvectors, Rayleigh-Ritz method
 - 50 Solution of algebraic and transcendental equations and systems
 - 55 Numerical differentiation and integration, mechanical quadrature
 - 60 Ordinary differential equations
 - 65 Partial differential equations
 - 70 Difference and functional equations
 - 75 Integral and integro-differential equations
 - 80 Error analysis
 - 85 Graphical methods, nomography
 - 90 Harmonic analysis and synthesis
68. COMPUTING MACHINES
69. GENERAL APPLIED MATHEMATICS
70. MECHANICS OF PARTICLES AND SYSTEMS
- 10 Foundations
 - 20 Statics
 - 30 Kinematics, mechanisms, linkages
 - 40 Dynamics
 - 50 Oscillations, stability
 - 55 Non-linear oscillation
 - 60 Exterior ballistics
 - 70 Variable mass, rockets
73. ELASTICITY, PLASTICITY
- 05 Foundations of mechanics of deformable solids
 - 06 Elasticity: general theorems
 - 07 Finite deformation
 - 10 Plane stress and strain
 - 15 Three-dimensional problems
 - 25 Beams and rods
 - 30 Plates
 - 32 Shells and membranes
 - 35 Anisotropic bodies
 - 37 Dislocation theory
 - 45 Vibrations, structural dynamics
 - 47 Aeroelasticity
 - 50 Stability, buckling, failure
 - 55 Wave propagation, impact
 - 65 Visco-elasticity
 - 70 Plasticity, creep
 - 80 Soil mechanics
 - 90 Thermo-mechanics

SUBJECT CLASSIFICATION

76. FLUID MECHANICS, ACOUSTICS

- 05 Foundations
- 10 Incompressible fluids: general theory
- 15 Incompressible fluids with special boundaries
- 17 Airfoil theory
- 20 Free surface flows, water waves, jets, wakes
- 25 Viscous fluids
- 30 Boundary layer theory
- 35 Stability of flow
- 37 Convection
- 40 Turbulence
- 45 Rarefied gas flow
- 50 Compressible fluids: general theory
- 55 Compressible fluids: subsonic flow
- 60 Compressible fluids: transonic flow
- 65 Compressible fluids: supersonic and hypersonic flow
- 70 Shock waves
- 75 Aero- and hydrodynamic sound
- 80 Acoustics
- 85 Non-Newtonian fluids
- 90 Magnetohydro- and aerodynamics, ionized gas flow (see also 78.30 ; 82.25 ; 85.50)
- 92 Quantum hydrodynamics
- 93 Relativistic hydrodynamics
- 95 Diffusion, filtration

78. OPTICS, ELECTROMAGNETIC THEORY, CIRCUITS

- 05 Geometric optics
- 10 Physical optics
- 20 Electron optics
- 30 Space charge waves
- 40 Electromagnetic theory
- 45 Electro- and magnetostatics
- 50 Waves and radiation
- 60 Diffraction, scattering
- 70 Antennas, wave-guides
- 90 Technical applications

80. CLASSICAL THERMODYNAMICS, HEAT TRANSFER

- 10 Classical thermodynamics
- 20 Heat and mass transfer
- 30 Combustion, interior ballistics
- 40 Chemical kinetics

81. QUANTUM MECHANICS

- 10 General theory
- 15 Scattering theory
- 20 Mathematical field theory
- 22 Dispersion relations
- 24 Weak interactions
- 26 Elementary particles
- 28 Nuclear physics
- 30 Atomic physics
- 35 Molecular physics
- 50 Quantum mechanics of many-body systems
- 60 Superconductivity and superfluidity
- 70 Quantum statistical mechanics

82. STATISTICAL PHYSICS, STRUCTURE OF MATTER

- 05 General statistical mechanics
- 10 Quantum statistical mechanics
- 15 Statistical thermodynamics
- 17 Irreversible thermodynamics
- 20 Kinetic theory of gases
- 25 Plasma (see also 76.90)
- 30 Liquids
- 40 Solids
- 45 Crystals
- 50 Metals

- 60 Transport processes
- 65 Nuclear reactor theory

83. RELATIVITY

- 10 Special relativity
- 20 General relativity
- 30 Unified field theories
- 40 Other relativistic theories

85. ASTRONOMY

- 10 Celestial mechanics
- 15 Galactic and stellar dynamics
- 20 3- and n-body problems
- 27 Astronautics
- 30 Stellar structure
- 40 Stellar atmospheres, radiative transfer
- 50 Hydrodynamic and hydromagnetic problems
- 60 Statistical astronomy
- 70 Cosmology
- 80 Special problems
- 90 Radio astronomy

86. GEOPHYSICS

- 10 Hydrology, hydrography, oceanography
- 20 Meteorology
- 30 Seismology
- 40 Potentials, prospecting
- 50 Geo-electricity and magnetism
- 60 Geodesy, mapping problems
- 70 Atmospheric physics

90. ECONOMICS, OPERATIONS RESEARCH, GAMES

- 05 Decisions, utility
- 10 Economic models
- 15 Economic time-series analysis
- 17 Miscellaneous applications to economics
- 30 Management science, operations research
- 35 Highway traffic
- 40 Actuarial theory
- 50 Linear programming
- 52 Transportation problems
- 54 Flows in networks
- 56 Integer programming
- 58 Non-linear programming
- 60 Logistics, inventory, storage
- 70 Games

92. BIOLOGY AND BEHAVIORAL SCIENCES

- 10 Biology
- 20 Genetics
- 30 Population dynamics, epidemiology
- 40 Sociology
- 50 Psychology
- 55 Nervous networks

93. CONTROL

- 20 Stability, qualitative behavior
- 40 Optimal control—deterministic
- 50 Iterative techniques (dynamic programming)
- 60 Stochastic control
- 70 Adaptive control

94. INFORMATION AND COMMUNICATION, SYSTEMS

- 10 Statistical communication theory—general
- 12 Nonlinear devices, modulation
- 15 Optimum filtering, prediction

SUBJECT CLASSIFICATION

- 18 Detection, parameter estimation
- 20 Pattern recognition
- 30 Circuit theory—general
- 35 Applications of graph theory, combinatorial methods (see also 90.54, 05.40)
- 50 Information theory—foundations, coding theorems

- 52 Characterization of channels, measures of entropy
- 55 Algebraic coding theory
- 60 Logical design, switching theory (see also 02.30)
- 65 Finite state automata
- 70 Turing machines, other infinite state automata
- 75 Linguistics, formal languages

ABBREVIATIONS OF NAMES OF JOURNALS

This list gives the form of references used in MATHEMATICAL REVIEWS and the complete title; the place of publication and other pertinent information are given in parentheses when desirable for clarity.

- Abh. Akad. Wiss. Göttingen Math.-Phys. Kl.* Abhandlungen der Akademie der Wissenschaften in Göttingen. Mathematisch-Physikalische Klasse. (Göttingen)
- Abh. Deutsch. Akad. Wiss. Berlin Kl. Math. Phys. Tech.* Abhandlungen der Deutschen Akademie der Wissenschaften zu Berlin. Klasse für Mathematik, Physik und Technik. (Berlin)
- Abh. Dokumentationszentrums Technik Wirtschaft.* Abhandlungen des Dokumentationszentrums der Technik und Wirtschaft. (Vienna)
- Abh. Math. Sem. Univ. Hamburg.* Abhandlungen aus dem Mathematischen Seminar der Universität Hamburg. (Hamburg)
- Abh. Sächs. Akad. Wiss. Leipzig Math.-Natur. Kl.* Abhandlungen der Sächsischen Akademie der Wissenschaften zu Leipzig. Mathematisch-Naturwissenschaftliche Klasse. (Leipzig)
- Abstracts Bulgarian Sci. Lit. Math. Phys. Astronom. Geophys. Geodes.* Bulgarian Academy of Sciences. Centre of Scientific Information and Documentation. Abstracts of Bulgarian Scientific Literature. Mathematics, Physics, Astronomy, Geophysics, Geodesy. (Sofia)
- Acad. R. P. Romîne Baza Cerc. Şti. Timişoara Stud. Cerc. Şti. Tehn.* Academia Republicii Populare Romîne. Baza de Cercetări Ştiinţifice Timişoara. Studii şi Cercetări Ştiinţe Tehnice. (Timişoara)
- Acad. R. P. Romîne Stud. Cerc. Mec. Apl.* Academia Republicii Populare Romîne. Institutul de Mecanică Aplicată "Traian Vuia". Studii şi Cercetări de Mecanică Aplicată. (Bucharest) (Continued as: *Stud. Cerc. Mec. Apl.*)
- Acad. Roy. Belg. Bull. Cl. Sci. Académie Royale de Belgique.* Bulletin de la Classe des Sciences. Koninklijke Belgische Academie. Mededelingen van de Klasse der Wetenschappen. (Brussels)
- Acad. Roy. Belg. Cl. Sci. Mém. Coll. in-8°.* Académie Royale de Belgique. Classe des Sciences. Mémoires. Collection in-8°. Koninklijke Belgische Academie. Klasse der Wetenschappen. Verhandelingen. Verzameling in-8°. (Brussels)
- Acad. Serbe Sci. Arts Glas.* Académie Serbe des Sciences et des Arts. Glas. Classe des Sciences Mathématiques et Naturelles. Nouvelle Série. (Belgrade) (Formerly listed as: *Acad. Serbe Sci. Arts Glas Cl. Sci. Math. Natur.*)
- Acad. Serbe Sci. Arts Glas Cl. Sci. Math. Natur.* Académie Serbe des Sciences et des Arts. Glas. Classe des Sciences Mathématiques et Naturelles. Nouvelle Série. (Belgrade) See *Acad. Serbe Sci. Arts Glas*.
- Accad. Naz. Sci. Lett. Arti Modena Atti Mem.* Accademia Nazionale di Scienze Lettere e Arti. Modena. Atti e Memorie. (Modena)
- Acta Acad. Abo. Ser. B.* Acta Academiae Aboensis, Ser. B. Mathematica et Physica. Matematik-Naturvetenskap-Teknik. (Åbo = Turku)
- Acta Acust. Sinica.* Acta Acustica Sinica. (Peking)
- Acta Arith.* Polska Akademia Nauk. Instytut Matematyczny. Acta Arithmetica. (Warsaw)
- Acta Astronom. Sinica.* Acta Astronomica Sinica. (Peking)
- Acta Cryst.* Acta Crystallographica. (Copenhagen)
- Acta Fac. Natur. Univ. Comenian.* Acta Facultatis Rerum Naturalium Universitatis Comenianae. (Bratislava) See *Acta Fac. Rerum Natur. Univ. Comenian.*
- Acta Fac. Rerum Natur. Univ. Comenian.* Acta Facultatis Rerum Naturalium Universitatis Comenianae. (Bratislava) (Formerly: *Acta Fac. Natur. Univ. Comenian.*)
- Acta Math.* Acta Mathematica. (Uppsala)
- Acta Math. Acad. Sci. Hungar.* Acta Mathematica Academiae Scientiarum Hungaricae. (Budapest)
- Acta Math. Sinica.* Acta Mathematica Sinica. (Peking) (Translated as: *Chinese Math.—Acta*)
- Acta Mech.* Acta Mechanica. (Vienna)
- Acta Mech. Sinica.* Acta Mechanica Sinica. (Peking) See *Acta Mech. Sinica (Peking)*.
- Acta Mech. Sinica (New York).* Acta Mechanica Sinica. (New York) (Translation of *Acta Mech. Sinica (Peking)*)
- Acta Mech. Sinica (Peking).* Acta Mechanica Sinica. (Peking) (Formerly listed as: *Acta Mech. Sinica*) (Translated as: *Acta Mech. Sinica (New York)*)
- Acta Philos. Fenn.* Acta Philosophica Fennica. (Helsinki)
- Acta Phys. Acad. Sci. Hungar.* Acta Physica Academiae Scientiarum Hungaricae. (Budapest)
- Acta Phys. Austriaca.* Acta Physica Austriaca. (Vienna)
- Acta Phys. Polon.* Polska Akademia Nauk. Instytut Fizyki. Acta Physica Polonica. (Warsaw)
- Acta Phys. Sinica.* Acta Physica Sinica. (Peking) (Translated as: *Chinese J. Phys. (Peking)*)
- Acta Polytech. Scand. Math. and Comput. Mach. Ser.* Acta Polytechnica Scandinavica. Mathematics and Computing Machinery Series. (Stockholm)
- Acta Sci. Math. (Szeged).* Acta Universitatis Szegediensis. Acta Scientiarum Mathematicarum. (Szeged)
- Acta Sci. Natur. Univ. Pekinensis.* Acta Scientiarum Naturalium Universitatis Pekinensis. (Peking)
- Acta Tech. Acad. Sci. Hungar.* Acta Technica Academiae Scientiarum Hungaricae. (Budapest)
- Acta Univ. Lund. Sect. II.* Acta Universitatis Lundensis. Sectio II. Medica, Mathematica, Scientiae rerum naturalium. (Lund)
- Actes Soc. Helv. Sci. Natur.* Actes de la Société Helvétique des Sciences Naturelles. Verhandlungen der Schweizerischen Naturforschenden Gesellschaft. Atti della Società Elvetica di Scienze Naturali. (Basel)
- Actualités Sci. Indust.* Actualités Scientifiques et Industrielles. (Paris)
- Acustica.* Acustica. (Zürich)
- Advances in Math.* Advances in Mathematics. (New York)
- Advances in Phys.* Advances in Physics. A Quarterly Supplement of the Philosophical Magazine. (London)
- Aero. Quart.* The Aeronautical Quarterly. (London)
- AIAA J.* AIAA Journal. (Easton, Pa.)
- Akad. Nauk Armjan. SSR Dokl.* Akademija Nauk Armjanskoi SSR. Doklady. (Erevan)
- Akad. Nauk Azerbaidžan. SSR Dokl.* Akademija Nauk Azerbaidžanskoi SSR. Doklady. (Baku)
- Akad. Nauk Azerbaidžan. SSR Trudy Inst. Mat. Meh.* Akademija Nauk Azerbaidžanskoi SSR. Trudy Instituta Matematiki i Mehani. (Baku)
- Akad. Nauk Gruzin. SSR Trudy Tbiliss. Mat. Inst. Razmadze.* Akademija Nauk Gruzinskoi SSR. Trudy Tbilisskogo Matematitseskogo Instituta im. A. M. Razmadze. (Tbilisi) See *Sakharth. SSR Mecn. Akad. Math. Inst. Šrom.*

ABBREVIATIONS OF NAMES OF JOURNALS

- Akad. Nauk Kazah. SSR Trudy Astrofiz. Inst. Akademija Nauk Kazahskoi SSR. Trudy Astrofizicheskogo Instituta. (Alma-Ata)*
- Akad. Nauk Kazah. SSR Trudy Sekt. Mat. Meh. Akademija Nauk Kazahskoi SSR. Trudy Sektora Matematiki i Mehaniki. (Alma-Ata)*
- Akad. Nauk SSSR Izv. Sibirsk. Otd. Akademija Nauk SSSR. Izvestija Sibirskogo Otdelenija Akademii Nauk SSSR. (Novosibirsk) (Continued as: Izv. Sibirsk. Otd. Akad. Nauk SSSR Ser. Tehn. Nauk)*
- Akad. Nauk SSSR Sibirsk. Otdel. Inst. Avtomat. Elektrometr. Trudy. Akademija Nauk SSSR. Sibirskoe Otdelenie. Institut Avtomatiki i Elektrometrii. Trudy. (Novosibirsk)*
- Akad. Nauk SSSR Trudy Jakutsk. Filial. Ser. Fiz. Akademija Nauk SSSR. Trudy Jakutskogo Filiala. Serija fizičeskaja. (Moscow)*
- Akad. Nauk Uzbek. SSR Trudy Inst. Mat. Akademija Nauk Uzbekskoi SSR. Trudy Instituta Matematiki im. V. I. Romanovskogo. (Tashkent)*
- Akad. Wiss. Lit. Mainz Abh. Math.-Natur. Kl. Akademie der Wissenschaften und der Literatur in Mainz. Abhandlungen der Mathematisch-Naturwissenschaftlichen Klasse. (Wiesbaden)*
- Akust. Beihefte. Akustische Beihefte. (Stuttgart)*
- Akust. Ž. Akademija Nauk SSSR. Akustičeskij žurnal. (Moscow) (Translated as: Soviet Physics Acoust.)*
- Algebra i Logika Sem. Akademija Nauk SSSR. Sibirskoe Otdelenie. Institut Matematiki. Algebra i Logika. Seminar. (Novosibirsk)*
- Algorytmy. Algorytmy. Prace Instytutu Maszyn Matematycznych Polskiej Akademii Nauk. (Warsaw)*
- Allgemein. Statist. Arch. Allgemeines statistisches Archiv. Organ der Deutschen Statistischen Gesellschaft. (Munich)*
- Amer. J. Math. American Journal of Mathematics. (Baltimore, Md.)*
- Amer. J. Phys. American Journal of Physics. (New York)*
- Amer. Math. Monthly. The American Mathematical Monthly. (Buffalo, N.Y.)*
- Amer. Math. Soc. Transl. American Mathematical Society Translations. (Providence, R.I.)*
- AMR. Applied Mechanics Reviews. (New York)*
- An. Acad. Brasil. Ci. Anais da Academia Brasileira de Ciencias. (Rio de Janeiro)*
- An. Inst. Mat. Univ. Nac. Autónoma México. Anales del Instituto de Matemáticas. Universidad Nacional Autónoma de México. (Mexico City)*
- An. Soc. Ci. Argentina. Anales de la Sociedad Científica Argentina. (Buenos Aires)*
- An. Ști. Univ. "Al. I. Cuza" Iași Secț. I a Mat. Analele Științifice ale Universității "Al. I. Cuza" din Iași. (Seria Nouă). Secțiunea I. a. Matematică. (Iași)*
- An. Univ. București Ser. Acta Logica. Analele Universității București. Seria Acta Logica. (Bucharest)*
- An. Univ. București Ser. Ști. Natur. Fiz. Analele Universității. București. Seria Științele Naturii. Fizică. (Bucharest)*
- An. Univ. București Ser. Ști. Natur. Mat.-Mec. Analele Universității București. Seria Științele Naturii. Matematică-Mecanică. (Bucharest)*
- An. Univ. Timișoara Ser. Ști. Mat.-Fiz. Analele Universității din Timișoara. Seria Științe Matematico-Fizice. (Timișoara)*
- Ann. Acad. Sci. Fenn. Ser. A I. Suomalaisen Tiedeakatemia Toimituksia. Sarja A. Annales Academiae Scientiarum Fennicae. Series A. I. Mathematica. (Helsinki)*
- Ann. Acad. Sci. Fenn. Ser. A VI. Suomalaisen Tiedeakatemia Toimituksia. Sarja A. Annales Academiae Scientiarum Fennicae. Series A. VI. Physica. (Helsinki)*
- Ann. Assoc. Internat. Calcul Analog. Annales de l'Association Internationale pour le Calcul Analogique. Proceedings of the International Association for Analog Computation. (Brussels)*
- Ann. Astrophys. Annales d'Astrophysique. (Paris)*
- Ann. Fac. Sci. Univ. Toulouse. Annales de la Faculté des Sciences de l'Université de Toulouse pour les Sciences Mathématiques et les Sciences Physiques. (Toulouse)*
- Ann. Geofis. Annali di Geofisica. Rivista dell'Istituto Nazionale di Geofisica. (Rome)*
- Ann. Inst. Fourier (Grenoble). Université de Grenoble. Annales de l'Institut Fourier. (Grenoble)*
- Ann. Inst. H. Poincaré Sect. A. Annales de l'Institut Henri Poincaré. Section A: Physique théorique. (Paris)*
- Ann. Inst. H. Poincaré Sect. B. Annales de l'Institut Henri Poincaré. Section B: Calcul des probabilités et statistique. (Paris)*
- Ann. Inst. Statist. Math. Annals of the Institute of Statistical Mathematics. (Tokyo)*
- Ann. Japan Assoc. Philos. Sci. Annals of the Japan Association for Philosophy of Science. (Tokyo)*
- Ann. Mat. Pura Appl. Annali di Matematica Pura ed Applicata. (Bologna)*
- Ann. Math. Statist. The Annals of Mathematical Statistics. (Baltimore, Md.)*
- Ann. New York Acad. Sci. Annals of the New York Academy of Sciences. (New York)*
- Ann. of Math. Annals of Mathematics. (Princeton, N.J.)*
- Ann. of Sci. Annals of Science. (London)*
- Ann. Physics. Annals of Physics. (New York)*
- Ann. Physik. Annalen der Physik. (Leipzig)*
- Ann. Physique. Annales de Physique. (Paris)*
- Ann. Polon. Math. Polska Akademia Nauk. Annales Polonici Mathematici. (Warsaw)*
- Ann. Ponts Chaussées. Annales de Ponts et Chaussées. (Paris)*
- Ann. Radioléc. Annales de Radioélectricité. (Paris)*
- Ann. Sci. École Norm. Sup. Annales Scientifiques de l'École Normale Supérieure. (Paris)*
- Ann. Scuola Norm. Sup. Pisa. Annali della Scuola Normale Superiore di Pisa. Scienze Fisiche e Matematiche. (Pisa)*
- Ann. Soc. Sci. Bruxelles Sér. I. Annales de la Société Scientifique de Bruxelles. Série I. Sciences Mathématiques, Astronomiques et Physiques. (Brussels)*
- Ann. Télécommun. Annales des Télécommunications. (Paris)*
- Ann. Univ. Ferrara Sez. VII. Annali dell'Università di Ferrara. (Nuovo Serie). Sezione VII. Scienze Matematiche. (Ferrara)*
- Ann. Univ. Lyon Sect. B. Annales de l'Université de Lyon. Section B. Sciences Physiques et Chimiques. (Lyon)*
- Ann. Univ. Mariae Curie-Skłodowska Sect. A. Annales Universitatis Mariae Curie-Skłodowska. Section A. Mathematica. (Lublin)*
- Ann. Univ. Mariae Curie-Skłodowska Sect. AA. Annales Universitatis Mariae Curie-Skłodowska. Section AA. Physics and Chemistry. (Lublin)*
- Ann. Univ. Sarav. Math.-Natur. Fak. Annales Universitatis Saravienensis. Mathematisch-Naturwissenschaftliche Fakultät. (Berlin)*
- Ann. Univ. Sci. Budapest. Eötvös Sect. Math. Annales Universitatis Scientiarum Budapestinensis de Rolando Eötvös Nominatae. Sectio Mathematica. (Budapest)*
- Ann. Univ. Turku. Ser. A I. Annales Universitatis Turkuensis. Series A. I. Astronomica-Chemica-Physica-Mathematica. (Turku)*
- Annuaire Univ. Sofia Fac. Math. Godišnik na Sofijskija Universitet Matematičeskij Fakultet. Annuaire de l'Université de Sofia. Faculté de Mathématiques. (Sofia)*
- Annuaire Univ. Sofia Fac. Phys. Godišnik na Sofijskija Universitet Fizičeskij Fakultet. Annuaire de l'Université de Sofia. Faculté de Physique. (Sofia)*
- Annual Rep. Coll. Lib. Arts Univ. Iwate. Annual Report of the College of Liberal Arts, University of Iwate. (Kakuzanwaki)*

- Anuário Obs. São Paulo.* Universidade de São Paulo. Instituto Astronômico e Geofísico. Anuário do Observatório de S. Paulo. (São Paulo)
- Appl. Mat.* Československá Akademie Věd. Aplikace Matematiky. (Prague)
- Appl. Mech. Rev.* Applied Mechanics Reviews. (New York) (Sometimes abbreviated as *AMR* in the text of *Math. Reviews*)
- Appl. Sci. Res.* Applied Scientific Research. (The Hague)
- Appl. Statist.* Applied Statistics. A Journal of the Royal Statistical Society. (London)
- Arbok Univ. Bergen Mat.-Natur. Ser.* Arbok for Universitetet i Bergen. Mat.-Naturv. Serie. (Bergen)
- Arch. Automat. i Telemekh.* Instytut Automatyki Polakiej Akademii Nauk. Archivum Automatyki i Telemekhaniki. (Warsaw)
- Arch. Elektrotech.* Archiv für Elektrotechnik. (Berlin-Göttingen-Heidelberg)
- Arch. History Exact Sci.* Archive for History of Exact Sciences. (Berlin)
- Arch. Math. (Basel).* Archiv der Mathematik. Archives of Mathematics. Archives Mathématiques. (Basel-Stuttgart)
- Arch. Math. (Brno).* Spisy Přírodovědecké Fakulty University J. E. Purkyně v Brně. Archivum Mathematicum. (Brno)
- Arch. Math. Logik Grundlagenforsch.* Archiv für mathematische Logik und Grundlagenforschung. (Stuttgart)
- Arch. Mech. Stos.* Polska Akademia Nauk. Instytut Podstawowych Problemów Techniki. Archivum Mechaniki Stosowanej. (Warsaw)
- Arch. Rational Mech. Anal.* Archive for Rational Mechanics and Analysis. (Berlin)
- Arch. Sci. Soc. Phys. Histoire Natur. Genève.* Archives des Sciences. Société de Physique et d'Histoire Naturelle de Genève. (Geneva)
- Archimede.* Archimede. Rivista per gli Insegnanti e i Cultori di Matematiche Pure e Applicate. (Florence)
- Ark. Astronom.* Arkiv för Astronomi. (Stockholm)
- Ark. Fys.* Arkiv för Fysik. (Stockholm)
- Ark. Mat.* Arkiv för Matematik. (Stockholm)
- Arkhimedes.* Arkhimedes. Suomen Fysiikkoseura—Finlands Fysikerförening r.y. Suomen Matemaattinen Yhdistys—Finlands Matematiska Förening r.y. (Helsinki)
- Arquivo Inst. Gulbenkian Ci. A Estud. Mat. Fis.-Mat.* Arquivo do Instituto Gulbenkian de Ciência. A. Estudos Matemáticos e Físico-Matemáticos. (Lisbon)
- Assoc. Roy. Actuaire. Belges Bull.* Association Royale des Actuaire Belges. Bulletin. (Brussels)
- Astrofizika.* Akademija Nauk Armjanskoi SSR. Astrofizika. (Erevan) (Translated as: *Astrophysics*)
- Astronaut. Acta.* Astronautica Acta. (Vienna)
- Astronom. J.* The Astronomical Journal. (New Haven, Conn.)
- Astronom. Jber.* Astronomischer Jahresbericht. (Berlin)
- Astronom. Nachr.* Astronomische Nachrichten. (Berlin)
- Astronom. Ž.* Akademija Nauk Sojuza SSR. Astronomičeskij Žurnal. (Moscow) (Translated as: *Soviet Astronom. AJ*)
- Astrophys. J.* The Astrophysical Journal. (Chicago, Ill.)
- Astrophys. Norvegica.* Det Norske Videnskaps-Akademi i Oslo. Astrophysica Norvegica. (Oslo)
- Astrophysics.* Astrophysics. (A translation of *Astrofizika* of the Academy of Sciences of the Armenian SSR). (New York) (Translation of *Astrofizika*)
- Atatürk Univ. Yayınları Ser.-Mat.* Atatürk Üniversitesi Yayınları. Araştırmalar Serisi—Matematik. Publications of Atatürk University. Research Series—Mathematics. (Erzurum)
- Atti Accad. Gioenia Sci. Natur. Catania.* Atti della Accademia Gioenia di Scienze Naturali in Catania. (Catania)
- Atti Accad. Ligure Sci. Lett.* Atti della Accademia Ligure di Scienze e Lettere. (Genoa)
- Atti Accad. Naz. Lincei Mem. Cl. Sci. Fis. Mat. Natur. Sez. I.* Atti della Accademia Nazionale dei Lincei. Memorie. Classe di Scienze Fisiche, Matematiche e Naturali. Sezione I^a. (Matematica, Meccanica, Astronomia, Geodesia e Geofisica). (Rome)
- Atti Accad. Naz. Lincei Mem. Cl. Sci. Fis. Mat. Natur. Sez. II.* Atti della Accademia Nazionale dei Lincei. Memorie. Classe di Scienze Fisiche, Matematiche e Naturali. Sezione II^a. (Fisica, Chimica, Geologia, Paleontologia e Mineralogia). (Rome)
- Atti Accad. Naz. Lincei Rend. Adunanze Solenni.* Atti della Accademia Nazionale dei Lincei. Rendiconti delle Adunanze Solenni. (Rome)
- Atti Accad. Naz. Lincei Rend. Cl. Sci. Fis. Mat. Natur.* Atti della Accademia Nazionale dei Lincei. Rendiconti. Classe di Scienze Fisiche, Matematiche e Naturali. (Rome)
- Atti Accad. Sci. Fis. Mat. Napoli.* Atti dell'Accademia delle Scienze Fisiche e Matematiche di Napoli. (Naples)
- Atti Accad. Sci. Ist. Bologna Cl. Sci. Fis. Mem.* Atti della Accademia delle Scienze dell'Istituto di Bologna. Classe di Scienze Fisiche. Memorie. (Bologna)
- Atti Accad. Sci. Ist. Bologna Cl. Sci. Fis. Rend.* Atti della Accademia delle Scienze dell'Istituto di Bologna. Classe di Scienze Fisiche. Rendiconti. (Bologna)
- Atti Accad. Sci. Lett. Arti Palermo Parte I.* Atti della Accademia di Scienze Lettere e Arti di Palermo. Parte Prima: Scienze. (Palermo)
- Atti Accad. Sci. Torino Cl. Sci. Fis. Mat. Natur.* Atti della Accademia delle Scienze di Torino. Classe di Scienze Fisiche, Matematiche e Naturali. (Turin)
- Atti Sem. Mat. Fis. Univ. Modena.* Atti del Seminario Matematico e Fisico dell'Università di Modena. (Modena)
- Austral. J. Appl. Sci.* Australian Journal of Applied Science. (Melbourne)
- Austral. J. Phys.* Australian Journal of Physics. (Melbourne)
- Austral. J. Sci.* The Australian Journal of Science. (Sydney)
- Austral. J. Statist.* The Australian Journal of Statistics. (Sydney)
- Automat. Remote Control.* Automation and Remote Control. (A translation of *Automatika i Telemekhanika*, a publication of the Academy of Sciences of the USSR). (Pittsburgh, Pa.) (Translation of *Automat. i Telemekh.*)
- Automatica. Internat. J. Automat. Control Automation.* Automatica. The International Journal on Automatic Control and Automation. (Oxford)
- Automatizace.* Ministerstvo Těžkého Průmyslu. Ča. Vědeckotechnická Společnost-Komise pro Automatizaci. (Prague)
- Avh. Norske Vid.-Akad. Oslo I.* Avhandlingar Utgitt av det Norske Videnskaps-Akademi i Oslo. I. Mat.-Naturv. Klasse. (Oslo)
- Avtomat. i Telemekh.* Akademija Nauk Sojuza SSR. Avtomatika i Telemekhanika. (Moscow) (Translated as: *Automat. Remote Control*)
- Avtomat. i Vyčisl. Tehn.* Avtomatika i Vyčislitel'naja Tehnika. (Riga)
- Avtomatika.* Akademija Nauk Ukraïns'koï RSR. Institut Elektrotehniki. Avtomatika. (Kiev)
- Azerbaidžan. Gos. Univ. Učen. Zap. Ser. Fiz.-Mat. i Him. Nauk.* Azerbaidžanskij Gosudarstvennyj Universitet im. S. M. Kirova. Učenyje Zapiski. Serija Fiziko-Matematičeskikh i Himičeskikh Nauk. (Baku)
- Bašk. Gos. Univ. Učen. Zap.* Baškirkij Gosudarstvennyj Universitet. Učenyje Zapiski. (Ufa)
- Bayer. Akad. Wiss. Math.-Natur. Kl. Abh.* Bayerische Akademie der Wissenschaften. Mathematisch-Naturwissenschaftliche Klasse. Abhandlungen. (Munich)
- Bayer. Akad. Wiss. Math.-Natur. Kl. S.-B.* Bayerische Akademie der Wissenschaften. Mathematisch-Naturwissenschaftliche Klasse. Sitzungsberichte. (Munich)
- Behavioral Sci.* Behavioral Science. (Baltimore, Md.—Ann Arbor, Mich.)

ABBREVIATIONS OF NAMES OF JOURNALS

- Beijing Daxue Xuebao Ziran Kexue.* See *Acta Sci. Natur. Univ. Pekinensis.*
- Bell System Tech. J.* The Bell System Technical Journal. (New York)
- Biometrics.* Biometrics. Journal of the Biometric Society. (Blackburg, Va.)
- Biometrika.* Biometrika. (London)
- BIT = Nordisk Tidsskr. Informations-Behandling.*
- Bjull. Inst. Teoret. Astronom.* Akademiya Nauk Sojuz Sovetskikh Socialističeskikh Respublik. Bjulleten' Instituta Teoretičeskoj Astronomii. (Moscow)
- B'lgar. Akad. Nauk. Otd. Mat. Fiz. Nauk. Izv. Fiz. Inst. s Aneb.* B'lgarska Akademiya na Naukite. Otdelenie a Matematičeski i Fizičeski Nauki. Izvestija na Fizičeskija Institut s Aneb. (Sofia) (Formerly listed as: *B'lgar. Akad. Nauk. Otd. Mat. Fiz. Nauk. Izv. Fiz. Inst. s Aneb.*)
- B'lgar. Akad. Nauk. Otd. Mat. Fiz. Nauk. Izv. Mat. Inst.* B'lgarska Akademiya na Naukite. Otdelenie za Matematičeski i Fizičeski Nauki. Izvestija na Matematičeskija Institut. (Sofia) (Formerly listed as: *B'lgar. Akad. Nauk. Otd. Mat. Fiz. Nauk. Izv. Mat. Inst.*)
- Bol. Fac. Ingen. Agrimens. Montevideo.* Boletín de la Facultad de Ingeniería y Agrimensura de Montevideo. (Montevideo)
- Bol. Soc. Mat. Mexicana.* Boletín de la Sociedad Matemática Mexicana. (Mexico, D.F.)
- Bol. Soc. Mat. São Paulo.* Boletim da Sociedade de Matemática de São Paulo. (São Paulo)
- Bol. Univ. Paraná Inst. Fis.* Boletim da Universidade do Paraná Conselho de Pesquisas. Instituto de Física. (Paraná)
- Boll. Un. Mat. Ital.* Bollettino della Unione Matematica Italiana. (Bologna)
- Bonn. Math. Schr.* Bonner Mathematische Schriften. (Bonn)
- British J. Hist. Sci.* British Society for the History of Science. British Journal for the History of Science. (London)
- British J. Philos. Sci.* The British Journal for the Philosophy of Science. (Edinburgh)
- Buharsk. Gos. Ped. Inst. Učen. Zap. Ser. Fiz.-Mat. Nauk.* Buharskij Gosudarstvennyj Pedagogičeskij Institut. Učenyje Zapiski. Serija Fiziko-Matematičeskikh Nauk. (Bukhara)
- Bul. Akad. Štiinca RSS Moldoven.* Akademija Nauk Moldavskoj SSR. Izvestija Akademii Nauk Moldavskoj SSR. Buletinul Akademiei de Știinca a RSS Moldovenești. (Kishinev)
- Bul. Inst. Politehn. București.* Buletinul Institutului Politehnic București. (Bucharest)
- Bul. Inst. Politehn. Iași.* Buletinul Institutului Politehnic din Iași. Serie Nouă. (Iași)
- Bul. Ști. Inst. Politehn. Cluj.* Buletinul Științific al Institutului Politehnic din Cluj. (Cluj)
- B'lgar. Akad. Nauk. Otd. Mat. Fiz. Nauk. Izv. Fiz. Inst. s Aneb.* See *B'lgar. Akad. Nauk. Otd. Mat. Fiz. Nauk. Izv. Fiz. Inst. s Aneb.*
- B'lgar. Akad. Nauk. Otd. Mat. Fiz. Nauk. Izv. Mat. Inst.* See *B'lgar. Akad. Nauk. Otd. Mat. Fiz. Nauk. Izv. Mat. Inst.*
- Bull. Acad. Polon. Sci. Sér. Sci. Math. Astronom. Phys.* Bulletin de l'Académie Polonaise des Sciences. Série des Sciences Mathématiques, Astronomiques et Physiques. (Warsaw)
- Bull. Acad. Serbe Sci. Arts Cl. Sci. Math. Natur. Sci. Math.* Bulletin de l'Académie Serbe des Sciences et des Arts. Classe des Sciences Mathématiques et Naturelles Sciences. Mathématiques. (Belgrade)
- Bull. Amer. Math. Soc.* Bulletin of the American Mathematical Society. (Providence, R.I.)
- Bull. Astronom.* Bulletin Astronomique. (Paris)
- Bull. Astronom. Inst. Netherlands.* Bulletin of the Astronomical Institutes of the Netherlands. (Haarlem)
- Bull. Calcutta Math. Soc.* Bulletin of the Calcutta Mathematical Society. (Calcutta)
- Bull. College Sci. (Baghdad).* Bulletin of the College of Science. (Baghdad)
- Bull. Earthquake Res. Inst. Univ. Tokyo.* Bulletin of the Earthquake Research Institute, University of Tokyo. (Tokyo)
- Bull. Fac. Educ. Univ. Kagoshima.* Bulletin of the Faculty of Education, University of Kagoshima. (Kagoshima)
- Bull. Fukuoka Gakugei Univ. III.* Bulletin of Fukuoka Gakugei University. III. Natural Sciences. (Fukuoka)
- Bull. Géodésique.* Bulletin Géodésique. (Paris)
- Bull. Inst. Internat. Statist.* Bulletin de l'Institut International de Statistique. (The Hague)
- Bull. (Izv.) Acad. Sci. USSR Geophys. Ser.* Bulletin (Izvestiya) Academy of Sciences, USSR. Geophysics Series. (Washington, D.C.) (Translation of *Izv. Akad. Nauk SSSR Ser. Geofiz.*) (Continued as: *Izv. Acad. Sci. USSR Atmospher. Ocean. Phys. and Izv. Acad. Sci. USSR Phys. Solid Earth*)
- Bull. JSME.* Bulletin of JSME. (Japan Society of Mechanical Engineers). (Tokyo)
- Bull. Kyoto Gakugei Univ. Ser. B.* Bulletin of the Kyoto Gakugei University. Ser. B. Mathematics and Natural Science. (Kyoto) (Continued as: *Bull. Kyoto Univ. Education Ser. B*)
- Bull. Kyoto Univ. Education Ser. B.* Bulletin of the Kyoto University of Education. Series B. Mathematics and Natural Science. (Kyoto) (Formerly: *Bull. Kyoto Gakugei Univ. Ser. B*)
- Bull. Kyushu Inst. Tech. Math. Natur. Sci.* Bulletin of the Kyushu Institute of Technology. Mathematics, Natural Science. (Tobata)
- Bull. Math. Biophys.* The Bulletin of Mathematical Biophysics. (Ann Arbor, Mich.)
- Bull. Math. Soc. Nanyang Univ.* Majallah Tahunan 'Timu Pasti. Bulletin of Mathematical Society. Nanyang University. (Singapore)
- Bull. Math. Soc. Sci. Math. Phys. R. P. Roumaine.* Bulletin Mathématique de la Société des Sciences Mathématiques et Physiques de la République Populaire Roumaine. (Bucharest)
- Bull. Math. Statist.* Bulletin of Mathematical Statistics. (Fukuoka)
- Bull. Sci. Conseil Acad. RSF Yougoslav.* Bulletin Scientifique. Conseil des Académies de la RSF de Yougoslavie. (Zagreb) (Continued as: *Bull. Sci. Conseil Acad. RSF Yougoslav. Sect. A*)
- Bull. Sci. Conseil Acad. RSF Yougoslav. Sect. A.* Bulletin Scientifique. Conseil des Académies de la RSF de Yougoslavie Section A. (Zagreb) (Formerly: *Bull. Sci. Conseil Acad. RSF Yougoslav.*)
- Bull. Sci. Engrg. Res. Lab. Waseda Univ.* Bulletin of Science and Engineering Research Laboratory. Waseda University. (Tokyo)
- Bull. Sci. Math.* Bulletin des Sciences Mathématiques. (Paris)
- Bull. Signal. 1 Math. Pures Appl.* Ministère de l'Éducation Nationale. Centre National de la Recherche Scientifique. Bulletin Signalétique. 1. Mathématiques Pures et Appliquées. (Paris)
- Bull. Soc. Amis Sci. Lettres Poznań Sér. B.* Bulletin de la Société des Amis des Sciences et des Lettres de Poznań. Série B: Sciences Mathématiques et Naturelles. (Poznań)
- Bull. Soc. Math. Belg.* Bulletin de la Société Mathématique de Belgique. (Brussels)
- Bull. Soc. Math. France.* Bulletin de la Société Mathématique de France. (Paris)
- Bull. Soc. Math. Grèce.* Bulletin de la Société Mathématique de Grèce. (Athens)
- Bull. Soc. Math. Phys. Macédoine.* Bulletin de la Société des Mathématiciens et des Physiciens de la République Populaire de Macédoine. Bilten na Društvo na Matematičarite i Fizičarite od Socialistička Republika Makedonija. (Skopje)
- Bull. Soc. Roy. Sci. Liège.* Bulletin de la Société Royale des Sciences de Liège. (Liège)
- Bull. Soc. Sci. Lettres Lódź.* Bulletin de la Société des Sciences et des Lettres de Lódź. (Lódź)
- Bull. Tokyo Gakugei Univ.* Bulletin of Tokyo Gakugei University. (Tokyo)
- Bull. Trimest. Inst. Actuaire Français.* Bulletin Trimestriel de l'Institut des Actuaire Français. (Paris)

ABBREVIATIONS OF NAMES OF JOURNALS

- Bull. Univ. Osaka Prefecture Ser. A.* Bulletin of University of Osaka Prefecture. Series A. Engineering and Natural Sciences. (Osaka)
- C. R. Acad. Bulgare Sci.* Doklady Bolgarskoj Akademii Nauk. Comptes Rendus de l'Académie Bulgare des Sciences. (Sofia)
- C. R. Acad. Sci. Paris Sér. A-B.* Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences. Séries A et B. (Paris)
- Cahiers Centre Études Recherche Opér.* Cahiers du Centre d'Études de Recherche Opérationnelle. (Brussels)
- Cahiers Centre Math. Statist. Appl. Sci. Social.* Cahiers du Centre de Mathématique et de Statistique Appliquées aux Sciences Sociales de l'Institut de Sociologie Solvay. (Brussels)
- Cahiers de Phys.* Cahiers de Physique. (Paris)
- Cahiers Rhodan.* Cahiers Rhodaniens. (Lyon)
- Cál. Automát. y Cibernét.* Cálculo Automático y Cibernética. (Madrid)
- Calcolo.* Calcolo. (Rome)
- Calcutta Statist. Assoc. Bull.* Calcutta Statistical Association Bulletin. (Calcutta)
- Canad. J. Math.* Canadian Journal of Mathematics. Journal Canadien de Mathématiques. (Toronto, Ont.)
- Canad. J. Phys.* Canadian Journal of Physics. (Ottawa, Ont.)
- Canad. Math. Bull.* Canadian Mathematical Bulletin. Bulletin Canadien de Mathématiques. (Toronto, Ont.)
- Časopis Pěst. Mat.* Československá Akademie Věd. Časopis pro Pěstování Matematiky. (Prague)
- Centaurus.* Centaurus. (Copenhagen)
- Českoslov. Časopis Fys. Sekce A.* Československá Akademie Věd. Československý Časopis Pro Fyziku Sekce A. (Prague)
- Chalmers Tekn. Högsk. Handl.* Chalmers Tekniska Högskolans Handlingar. Transactions of Chalmers University of Technology, Gothenburg, Sweden. (Gothenburg)
- Chinese J. Phys. (Peking).* Chinese Journal of Physics (Peking). (A translation of Acta Physica Sinica of the Chinese Academy of Sciences, Peking). (New York) (Translation of Acta Phys. Sinica)
- Chinese Math.—Acta.* Chinese Mathematics. Translation of Acta Mathematica Sinica. (Providence, R.I.) (Translation of Acta Math. Sinica)
- Ciência (Lisboa).* Ciência. Revista de Cultura Científica. (Lisbon)
- Ciencias (Madrid).* Las Ciencias. (Madrid)
- Collect. Math.* Consejo Superior de Investigaciones Científicas. Universidad de Barcelona. Collectanea Mathematica. (Barcelona)
- Colloq. Math.* Colloquium Mathematicum. (Warsaw)
- Com. Acad. R. P. Romine.* Comunicările Academiei Republicii Populare Romine. (Bucharest)
- Comm. ACM.* Communications of the Association for Computing Machinery. (New York)
- Comm. Dublin Inst. Adv. Studies Ser. A.* Communications of the Dublin Institute for Advanced Studies. Series A. (Dublin)
- Comm. Fac. Sci. Univ. Ankara Sér. A.* Communications de la Faculté des Sciences de l'Université d'Ankara. Série A. Mathématiques-Physique-Astronomie. (Ankara)
- Comm. Math. Phys.* Communications in Mathematical Physics. (New York)
- Comm. Pure Appl. Math.* Communications on Pure and Applied Mathematics. (New York)
- Comment. Math. Helv.* Commentarii Mathematici Helvetici. (Zürich)
- Comment. Math. Univ. Carolinae.* Commentationes Mathematicae Universitatis Carolinae. (Prague)
- Comment. Math. Univ. St. Paul.* Commentarii Mathematici Universitatis Sancti Pauli. Rikkyō Daigaku Sōgaku Zasshi. (Tokyo)
- Compositio Math.* Compositio Mathematica. (Groningen)
- Comput. Bull.* The Computer Bulletin. (London)
- Comput. J.* The Computer Journal. (London)
- Comput. Rev.* Computing Reviews. (New York) (Usually abbreviated CR in the text of Math. Reviews)
- Computing (Arch. Elektron. Rechnen).* Computing. Archiv für elektronisches Rechnen. Archives for Electronic Computing. (Vienna)
- Confer. Sem. Mat. Univ. Bari.* Conference del Seminario di Matematica dell'Università di Bari. (Bari)
- CORS J.* CORS J. The Canadian Operational Research Society Journal. (Toronto, Ont.)
- Cosmic Research.* Cosmic Research. (A translation of Kosmicheskie Issledovaniya of the Academy of Sciences of the USSR). (New York) (Translation of Kosmich. Issled.)
- CR.* Computing Reviews. (New York)
- Čuvaš. Gos. Ped. Inst. Učen. Zap.* Ministerstvo Prosvěščenija RSFSR. Čuvašskij Gosudarstvennyj Pedagogičeskij Institut im. I. Ja. Jakovleva. Učenyje Zapiski. (Cheboksary)
- Cybernetica.* Cybernetica. (Namur)
- Cybernetics.* Cybernetics. (New York) (A translation of Kibernetika (Kiev))
- Czechoslovak J. Phys. Sect. B.* Česloslovackaja Akademie Nauk. Česloslovackij Fizičeskij Žurnal. Czechoslovak Academy of Sciences. Czechoslovak Journal of Physics. (Prague)
- Czechoslovak Math. J.* Česloslovackaja Akademie Nauk. Česloslovackij Matematičeskij Žurnal. Czechoslovak Mathematical Journal. (Prague)
- Defence Sci. J.* Defence Science Journal. (Delhi)
- Denki Gakkai Zasshi.* Institute of Electrical Engineers of Japan. Denki Gakkai Zasshi. (Tokyo) (Translated as: Electrical Engrg. Japan)
- Denki Tsushin Gakkai Zasshi.* Institute of Electrical Communication Engineers of Japan. Denki Tsushin Gakkai Zasshi. (Tokyo) (Translated as: Electron. Commun. Japan)
- Deutsche Geodät. Kommiss. Bayer. Akad. Wiss. Reihe A Theoret. Geodäsie.* Deutsche Geodätische Kommission bei der Bayerischen Akademie der Wissenschaften. Reihe A. Theoretische Geodäsie. (Munich)
- Deutsche Geodät. Kommiss. Bayer. Akad. Wiss. Reihe B Angew. Geodäsie.* Deutsche Geodätische Kommission bei der Bayerischen Akademie der Wissenschaften. Reihe B. Angewandte Geodäsie. (Munich)
- Dialectica.* Dialectica. (Neuchâtel)
- Differencial'nye Uravnenija.* Differencial'nye Uravnenija. (Minsk) (Translated as: Differential Equations)
- Differential Equations.* Differential Equations. (New York) (Translation of Differencial'nye Uravnenija)
- Discussions Faraday Soc.* Discussions of the Faraday Society. (London)
- Diskret. Analiz.* Akademija Nauk SSSR. Sibirskoe Otdelenie. Institut Matematiki. Diskretnyj Analiz. Sbornik Trudov. (Novosibirsk)
- Dissertationes Math. Rozprawy Mat.* Polakiej Akademii Nauk. Instytut Matematyczny. Dissertationes Mathematicae. Rozprawy Matematyczne. (Warsaw) (Formerly: Rozprawy Mat.)
- Dokl. Akad. Nauk BSSR.* Doklady Akademii Nauk BSSR. (Minsk)
- Dokl. Akad. Nauk SSSR.* Doklady Akademii Nauk SSSR. (Moscow) (Mathematics section translated as: Soviet Math. Dokl.; Physics section translated as: Soviet Physics Dokl.)
- Dokl. Akad. Nauk Tadžik. SSR.* Doklady Akademii Nauk Tadžikakol SSR. (Dushanbe)
- Dopovidi Akad. Nauk Ukrain. RSR.* Dopovidi Akademii Nauk Ukrain'koj RSR. (Kiev)
- Duke Math. J.* Duke Mathematical Journal. (Durham, N.C.)
- Econometrica.* Econometrica. Journal of the Econometric Society. (Chicago, Ill.)
- EEA.* Science Abstracts. Electrical & Electronics Abstracts. (London)

ABBREVIATIONS OF NAMES OF JOURNALS

- Eesti NSV Tead. Akad. Füüs. Astronoom. Inst. Uurim.* Eesti NSV Teaduste Akadeemia Füüsika ja Astronoomia Instituudi Uurimused. (Trudy Instituta Fiziki i Astronomii Akademii Nauk Estonskoi SSR.) Publikatsii Tartuskoj Astronomičeskoj Observatorii. (Tartu)
- Eesti NSV Tead. Akad. Tartu Astronoom. Observ. Publ.* Eesti NSV Teaduste Akadeemia Tartu Astronoomia Observatooriumi Publikatsioonid. (Tartu)
- Eesti NSV Tead. Akad. Toimetised Füüs.-Mat. Tehn.-tead. Seer.* Eesti NSV Teaduste Akadeemia Toimetised. Füüsika-Matemaatika- ja Tehnikateaduste Seeria. Izvestija Akademii Nauk Estonskoi SSR. Serija Fiziko-Matematičeskij i Tehničeskij Nauk. (Tallin)
- Ekonom.-Mat. Obzor.* Československá Akademie Věd. Ekonomicko-Matematický Obzor. (Prague)
- Electrical & Electronics Abstracts.* Science Abstracts. Electrical & Electronics Abstracts. (London) (Usually abbreviated *EEA* in the text of *Math. Reviews*) (Formerly: *Sci. Abstracts Sect. B*)
- Electrical Engrg. Japan.* Institute of Electrical and Electronics Engineers. Electrical Engineering in Japan. (A translation of *Denki Gakkai Zasshi* of the Institute of Electrical Engineers of Japan) (New York) (Translation of *Denki Gakkai Zasshi*)
- Electron. Commun. Japan.* Institute of Electrical and Electronics Engineers. Electronics and Communications in Japan. (A translation of *Denki Tsushin Gakkai Zasshi* of the Institute of Electrical Communication Engineers of Japan). (New York) (Translation of *Denki Tsushin Gakkai Zasshi*)
- Elektron. Datenverarbeitung.* Elektronische Datenverarbeitung. Fachberichte über programmgesteuerte Maschinen und ihre Anwendung. (Braunschweig)
- Elektron. Informationsverarbeitung. Kybernetik.* Sektion für Kybernetik beim Präsidium der Deutschen Akademie der Wissenschaften zu Berlin und der Mathematischen Gesellschaft der Deutschen Demokratischen Republik. Elektronische Informationsverarbeitung und Kybernetik. (Berlin)
- Elem. Math.* Elemente der Mathematik. Revue de Mathématiques Élémentaires. Rivista de Matematica Elementare. (Basel)
- Engrg. Cybernetics.* Engineering Cybernetics. English Edition of *Tehničeskaja Kibernetika*. (New York) (Translation of *Izv. Akad. Nauk SSSR Tehn. Kibernet.*)
- Enseignement Math.* L'Enseignement Mathématique. (Geneva)
- Erevan. Armjan. Gos. Ped. Inst. im. H. Abovjana Učen. Zap. Ser. Mat. Nauk.* Erevanskij Armjanskij Gosudarstvennyj Pedagogičeskij Institut im. H. Abovjana. Učenyje Zapiski. Serija Matematičeskij Nauk. (Erevan)
- Ericsson Technics.* Ericsson Technica. (Stockholm)
- Estadist. Española.* Estadística Española. (Madrid)
- Estadística.* Estadística. (Washington, D.C.)
- Euclides (Groningen).* Euclides. Tijdschrift voor de Didactiek der Exacte Vakken. (Groningen)
- Euclides (Madrid).* Euclides. Revista Mensual de Ciencias Exactas, Físicas, Químicas, Naturales y Aplicaciones Técnicas. (Madrid)
- Fac. Ingen. Agrimens. Montevideo Publ. Didact. Inst. Mat. Estadist.* Facultad de Ingeniería y Agrimensura. Montevideo. Publicaciones Didácticas del Instituto de Matemática y Estadística. (Montevideo)
- Fac. Sci. Univ. Skopje Annuaire.* Faculté des Sciences de l'Université de Skopje. Annuaire. (Skopje)
- Fergan. Gos. Ped. Inst. Učen. Zap.* Ministerstvo Vysšego i Srednego Special'nogo Obrazovaniya Uzbekskoi SSR. Ferganskij Gosudarstvennyj Pedagogičeskij Institut imeni Ulugbeka. Učenyje Zapiski. Serija Matematičeskaja. (Fergana)
- Fibonacci Quart.* The Fibonacci Quarterly. Official Organ of the Fibonacci Association. A journal devoted to the study of integers with special properties. (St. Mary's College, Calif.)
- Fiz.-Mat. Spis. B'lgar. Akad. Nauk.* B'lgarska Akademija na Naukite Fizičeskij Institut. Matematičeskij Institut. Fiziko-Matematičeskoe Spisanie. (Sofia)
- Fiz. Tverd. Tela.* Akademija Nauk SSSR. Fizika Tverdogo Tela. (Moscow-Leningrad) (Translated as: *Soviet Physics Solid State*)
- Forsch. Ingenieurwesen.* Forschung im Ingenieurwesen. (Düsseldorf)
- Fortschr. Physik.* Fortschritte der Physik. (Berlin)
- Found. Language.* International Journal of Language and Philosophy. Foundations of Language. (Dordrecht)
- Fund. Math.* Polska Akademia Nauk. Fundamenta Mathematicae. (Warsaw)
- Funkcial. Ekvac.* Fako de l'Funkcialaj Ekvacioj Japana Matematika Societo. Funkcialaj Ekvacioj. (Serio Internacia). (Kobe)
- Gac. Mat. (Madrid).* Gaceta Matemática. (Madrid)
- Ganita.* Ganita (Mathematics). Bharat Ganita Parishad (Benares Mathematical Society). (Lucknow)
- Gaz. Mat. (Lisboa).* Gazeta de Matemática. (Lisbon)
- Gaz. Mat. Ser. A.* Societatea de Științe Matematice din R. P. R. Gazeta Matematică. Publicație Pentru Studiul și Răspindirea Științelor Matematice. Seria A. (Bucharest)
- Genet. Res.* Genetical Research. (New York)
- Geodæt. Inst. Medd.* Geodætisk Institut. Meddelelse. (Copenhagen)
- Geofys. Publ. Norske Vid.-Akad. Oslo.* Geofysiske Publikasjoner Utgitt av det Norske Videnskaps-Akademi i Oslo. (Oslo)
- Giorn. Ist. Ital. Attuari.* Giornale dell'Istituto Italiano degli Attuari. (Rome)
- Giorn. Mat. Battaglini.* Giornale di Matematiche di Battaglini. (Naples)
- Glasgow Math. J.* Glasgow Mathematical Journal. (Glasgow) (Formerly: *Proc. Glasgow Math. Assoc.*)
- Glasnik Mat.-Fiz. Astronom. Ser. II Društvo Mat. Fiz. Hrvatske.* Glasnik Matematičko-Fizički i Astronomski. Periodicum Mathematico-Physicum et Astronomicum. Serija II. Društvo Matematičara i Fizičara Hrvatske. Societas Mathematicorum et Physicorum Croatiae. (Zagreb)
- Gruzin. Politehn. Inst. Trudy.* Gruzinskij Politehničeskij Institut im. V. I. Lenina. Trudy. (Tbilisi) See *V. I. Lenin. Sakharth. Politekh. Inst. Šrom.*
- Helv. Phys. Acta.* Helvetica Physica Acta. Societatis Physicæ Helveticae Commentaria Publica. (Basel)
- Hitotsubashi J. Arts Sci.* Hitotsubashi Journal of Arts & Sciences, Hitotsubashi University. (Tokyo)
- Hochfrequenztech. Elektroakust.* Hochfrequenztechnik und Elektroakustik. (Leipzig)
- Houille Blanche.* La Houille Blanche. Revue de l'Ingénieur Hydraulicien. (Grenoble)
- IBM J. Res. Develop.* IBM Journal of Research and Development. (New York)
- IBM Systems J.* International Business Machines Corporation. IBM Systems Journal. (Armonk, N.Y.)
- Icarus.* Icarus. International Journal of the Solar System. (New York)
- ICC Bull.* International Computation Centre Bulletin. Centre International de Calcul. (Rome)
- ICSU Rev. World Sci.* ICSU Review of World Science. (Amsterdam)
- IEEE J. Quantum Electron.* IEEE Journal of Quantum Electronics. (New York)
- IEEE Spectrum.* IEEE Spectrum. (New York)
- IEEE Trans. Antennas and Propagation.* IEEE Transactions on Antennas and Propagation. (New York)
- IEEE Trans. Automatic Control.* IEEE Transactions on Automatic Control. (New York)
- IEEE Trans. Circuit Theory.* IEEE Transactions on Circuit Theory. (New York)
- IEEE Trans. Comm. and Electronics.* IEEE Transactions on Communication and Electronics. (New York)
- IEEE Trans. Comm. Tech.* IEEE Transactions on Communication Technology. (New York)
- IEEE Trans. Electronic Computers.* IEEE Transactions on Electronic Computers. (New York)
- IEEE Trans. Information Theory.* IEEE Transactions on Information Theory. (New York)

ABBREVIATIONS OF NAMES OF JOURNALS

- IEEE Trans. Nuclear Science.* IEEE Transactions on Nuclear Science. (New York)
- IEEE Trans. Reliability.* IEEE Transactions on Reliability. (New York)
- IEEE Trans. Space Electronics and Telemetry.* IEEE Transactions on Space Electronics and Telemetry. (New York)
- Illinois J. Math.* Illinois Journal of Mathematics. (Urbana, Ill.)
- Indian J. Math.* Indian Journal of Mathematics. (Allahabad)
- Indian J. Mech. Math.* Indian Journal of Mechanics and Mathematics. (Calcutta)
- Indian J. Phys.* Indian Journal of Physics and Proceedings of the Indian Association for the Cultivation of Science. (Calcutta)
- Indian J. Theoret. Phys.* Indian Journal of Theoretical Physics. (Calcutta)
- Information and Control.* Information and Control. (New York)
- Information Processing in Japan.* Information Processing in Japan. (Tokyo)
- Information Storage and Retrieval.* Information Storage and Retrieval. (Oxford-New York)
- Ing.-Arch.* Ingenieur-Archiv. (Berlin-Göttingen-Heidelberg)
- Inst. Hautes Études Sci. Publ. Math.* Institut des Hautes Études Scientifiques. Publications Mathématiques. (Paris)
- Inst. Skoglig Mat. Statist. Rapport. och Uppsats.* Institutionen för Skoglig Matematisk Statistik. Rapporter och Uppsatser. Department of Forest Biometry, Royal College of Forestry. Research Notes. (Stockholm)
- Internat. J. Comput. Math.* International Journal of Computer Mathematics. (New York)
- Internat. J. Control.* International Journal of Control. (London) (Formerly: *J. Electronics Control*)
- Internat. J. Electronics.* International Journal of Electronics. (London) (Formerly: *J. Electronics Control*)
- Internat. J. Engrg. Sci.* International Journal of Engineering Science. (Oxford-New York)
- Internat. J. Mech. Sci.* International Journal of Mechanical Sciences. (Oxford)
- Internat. J. Non-linear Mech.* International Journal of Non-linear Mechanics. (New York)
- Invent. Math.* Inventiones Mathematicae. (Berlin)
- Inf. Ž.* Inženernyi Zhurnal. Organ Otdeleniya Tehničeskikh Nauk i Instituta Mehaniki Akademii Nauk SSSR. (Moscow) See *Inf. Ž. Meh. Tverd. Tela*.
- Inf. Ž. Meh. Tverd. Tela.* Inženernyi Zhurnal Mehanika Tverdogo Tela. Organ Otdeleniya Tehničeskikh Nauk i Instituta Mehaniki Akademii Nauk SSSR. (Moscow) (Formerly: *Inf. Ž.*)
- Inf.-Stroitel. Inst. Kulbyšev. Sb. Trudov.* Moskovskii Ordena Trudovogo Krasnogo Znameni Inženerno-Stroitel'nyi Institut im. V. V. Kulbyševa. Sbornik Trudov. (Moscow)
- Isis.* Isis. An International Review Devoted to the History of Science and Civilization. (Cambridge, Mass.)
- Israel J. Math.* Israel Journal of Mathematics. (Jerusalem)
- Ist. Lombardo Accad. Sci. Lett. Rend. A.* Istituto Lombardo. Accademia di Scienze e Lettere. Rendiconti. Scienze Matematiche, Fisiche, Chimiche e Geologiche. A. (Milan)
- Ist. Lombardo Accad. Sci. Lett. Rend. Parte Gen. e Atti Uff.* Istituto Lombardo Accademia di Scienze e Lettere. Rendiconti. Parte Generale e Atti Ufficiali. (Milan)
- Ist. Veneto Sci. Lett. Arti Atti Cl. Sci. Mat. Natur.* Istituto Veneto de Scienze, Lettere ed Arti. Venezia. Atti. Classe de Scienze Matematiche e Naturali. (Venice)
- Istanbul Tek. Üniv. Bül.* Istanbul Teknik Üniversitesi Bülteni. Bulletin of the Technical University of Istanbul. (Istanbul)
- Istanbul Üniv. Fen Fak. Mec. Ser. A.* İstanbul Üniversitesi Fen Fakültesi Mecmuası. A Serisi: Sırf ve Tatbiki Matematik. Revue de la Faculté des Sciences de l'Université d'Istanbul. Série A: Mathématiques Pures et Appliquées. (Istanbul)
- Istanbul Üniv. Fen Fak. Mec. Ser. C.* İstanbul Üniversitesi Fen Fakültesi Mecmuası. Seri C: Astronomi-Fizik-Kimya. Revue de la Faculté des Sciences de l'Université d'Istanbul. Série C: Astronomie-Physique-Chimie. (Istanbul)
- Istor.-Astronom. Issled.* Istoriko-Astronomičeskie Issledovaniya. (Moscow)
- Istor.-Mat. Issled.* Istoriko-Matematičeskie Issledovaniya. (Moscow-Leningrad)
- Ivanov. Gos. Ped. Inst. Učen. Zap.* Ministerstvo Prosvešćenija RSFSR. Ivanovskii Gosudarstvennyi Pedagogičeskii Institut im. D. A. Furmanova. Ivanovskoe Matematičeskoe Obščestvo. Učenyje Zapiski. (Ivanovo)
- Izv. Acad. Sci. USSR Atmospher. Ocean. Phys.* Izvestiya Academy of Sciences USSR. Atmospheric and Oceanic Physics. (Washington, D.C.) (Translation of *Izv. Akad. Nauk SSSR Ser. Fiz. Atmosfer. i Okeana*) (Formerly: *Bull. (Izv.) Akad. Nauk USSR Geophys. Ser.*)
- Izv. Acad. Sci. USSR Phys. Solid Earth.* Izvestiya Academy of Sciences USSR. Physics of the Solid Earth. (Washington, D.C.) (Translation of *Izv. Akad. Nauk SSSR Ser. Fiz. Zemli*) (Formerly: *Bull. (Izv.) Acad. Sci. USSR Geophys. Ser.*)
- Izv. Akad. Nauk Armjan. SSR Ser. Fiz.* Izvestiya Akademii Nauk Armjanskoi SSR. Seriya Fizika. (Erevan) (Formerly: *Izv. Akad. Nauk Armjan. SSR Ser. Fiz.-Mat. Nauk*)
- Izv. Akad. Nauk Armjan. SSR Ser. Fiz.-Mat. Nauk.* Izvestiya Akademii Nauk Armjanskoi SSR. Seriya Fiziko-Matematičeskikh Nauk. (Erevan) (Continued as: *Izv. Akad. Nauk Armjan. SSR Ser. Fiz., Izv. Akad. Nauk Armjan. SSR Ser. Mat., and Izv. Akad. Nauk Armjan. SSR Ser. Meh.*)
- Izv. Akad. Nauk Armjan. SSR Ser. Mat.* Izvestiya Akademii Nauk Armjanskoi SSR. Seriya Matematika. (Erevan) (Formerly: *Izv. Akad. Nauk Armjan. SSR Ser. Fiz.-Mat. Nauk*)
- Izv. Akad. Nauk Armjan. SSR Ser. Meh.* Izvestiya Akademii Nauk Armjanskoi SSR. Seriya Mehanika. (Erevan) (Formerly: *Izv. Akad. Nauk Armjan. SSR Ser. Fiz.-Mat. Nauk*)
- Izv. Akad. Nauk Armjan. SSR Ser. Tehn. Nauk.* Izvestiya Akademii Nauk Armjanskoi SSR. Seriya Tehničeskikh Nauk. (Erevan)
- Izv. Akad. Nauk Azerbaidžan. SSR Ser. Fiz.-Tehn. Mat. Nauk.* Izvestiya Akademii Nauk Azerbaidžanskoi SSR. Seriya Fiziko-Tehničeskikh i Matematičeskikh Nauk. (Baku)
- Izv. Akad. Nauk Kazah. SSR Ser. Fiz.-Mat. Nauk.* Izvestiya Akademii Nauk Kazahskoi SSR. Seriya Fiziko-Matematičeskikh Nauk. (Alma-Ata)
- Izv. Akad. Nauk Mold. SSR = Bul. Akad. Științe RSS Moldoven.*
- Izv. Akad. Nauk SSSR Ser. Fiz.* Izvestiya Akademii Nauk SSSR. Seriya Fizičeskaja. (Moscow)
- Izv. Akad. Nauk SSSR Ser. Fiz. Atmosfer. i Okeana.* Izvestiya Akademii Nauk SSSR. Seriya Fizika Atmosfery i Okeana. (Moscow) (Translated as: *Izv. Acad. Sci. USSR Atmospher. Ocean. Phys.*) (Formerly: *Izv. Akad. Nauk SSSR Ser. Geofiz.*)
- Izv. Akad. Nauk SSSR Ser. Fiz. Zemli.* Izvestiya Akademii Nauk SSSR Seriya Fizika Zemli. (Moscow) (Translated as: *Izv. Acad. Sci. USSR Phys. Solid Earth*) (Formerly: *Izv. Akad. Nauk SSSR Ser. Geofiz.*)
- Izv. Akad. Nauk SSSR Ser. Geofiz.* Izvestiya Akademii Nauk SSSR. Seriya Geofizičeskaja. (Moscow) (Translated as: *Bull. (Izv.) Acad. Sci. USSR Geophys. Ser.*) (Continued as: *Izv. Akad. Nauk SSSR Ser. Fiz. Atmosfer. i Okeana and Izv. Akad. Nauk SSSR Ser. Fiz. Zemli*)
- Izv. Akad. Nauk SSSR Ser. Mat.* Izvestiya Akademii Nauk SSSR. Seriya Matematičeskaja. (Moscow)
- Izv. Akad. Nauk SSSR Ser. Meh. Židk. Gaza.* Akademija Nauk SSSR. Izvestiya Akademii Nauk SSSR. Seriya Mehanika Židkosti i Gaza. (Moscow)
- Izv. Akad. Nauk SSSR Tehn. Kibernet.* Izvestiya Akademii Nauk SSSR. Tehničeskaja Kibernetika. (Moscow) (Translated as: *Engrg. Cybernetics*)
- Izv. Akad. Nauk Tadžik. SSR Otdel. Fiz.-Tehn. i Him. Nauk.* Izvestiya Akademii Nauk Tadžikskoi SSR. Otdelenie Fiziko-Tehničeskikh i Himičeskikh Nauk. (Dushanbe)
- Izv. Akad. Nauk Turkmen. SSR Ser. Fiz.-Tehn. Him. Geol. Nauk.* Izvestiya Akademii Nauk Turkmenskoi SSR. Seriya Fiziko-Tehničeskikh, Himičeskikh i Geologičeskikh Nauk. (Ashkhabad)

ABBREVIATIONS OF NAMES OF JOURNALS

- Izv. Akad. Nauk UzSSR Ser. Fiz.-Mat. Nauk.* Izvestija Akademii Nauk UzSSR. Serija Fiziko-Matematičeskikh Nauk. UzSSR Fanlar Akademijasining Ahboroti. Fizika-Matematika Fanlari Serijasi. (Tashkent)
- Izv. Kazan. Fil. Akad. Nauk SSSR Ser. Fiz.-Mat. i Tehn. Nauk.* Izvestija Kazanskogo Filiala Akademii Nauk SSSR. Serija Fiziko-Matematičeskikh i Tehničeskikh Nauk. (Kazan)
- Izv. Krymk. Ped. Inst.* Izvestija Krymkogo Pedagogičeskogo Instituta im. M. V. Frunze. (Simferopol)
- Izv. Sibirsk. Otd. Akad. Nauk SSSR.* Izvestija Sibirskogo Otdelenija Akademija Nauk SSSR. (Novosibirsk) (Formerly: *Izv. Sibirsk. Otd. Akad. Nauk SSSR Ser. Tehn. Nauk*)
- Izv. Sibirsk. Otd. Akad. Nauk SSSR Ser. Tehn. Nauk.* Izvestija Sibirskogo Otdelenija Akademija Nauk SSSR. Serija Tehničeskikh Nauk. (Novosibirsk) See *Izv. Sibirsk. Otd. Akad. Nauk SSSR*.
- Izv. Vuzov = Izv. Vysš. Učebn. Zaved. Matematika.*
- Izv. Vysš. Učebn. Zaved. Aviacion. Tehn. Ministerstvo Vysšego i Srednego Special'nogo Obrazovanija SSSR.* Izvestija Vysših Učebnyh Zavedenij. Aviacionnaja Tehnika. (Kazan)
- Izv. Vysš. Učebn. Zaved. Matematika.* Ministerstvo Vysšego Obrazovanija SSSR. Izvestija Vysših Učebnyh Zavedenij. Matematika. (Kazan)
- Izv. Vysš. Učebn. Zaved. Radiofizika.* Ministerstvo Vysšego i Srednego Special'nogo Obrazovanija SSSR. Izvestija Vysših Učebnyh Zavedenij. Radiofizika. (Gorki) (Translated as: *Soviet Radiophys.*)
- Izv. Vysš. Učebn. Zaved. Radiotehn.* Ministerstvo Vysšego i Srednego Special'nogo Obrazovanija SSSR. Izvestija Vysših Učebnyh Zavedenij. Radiotekhnika. (Kiev) (Translated as: *Soviet Radio Engng.*)
- J. Acoust. Soc. Amer.* The Journal of the Acoustical Society of America. (New York)
- J. Algebra.* Journal of Algebra. (New York)
- J. Amer. Statist. Assoc.* Journal of the American Statistical Association. (Washington, D.C.)
- J. Analyse Math.* Journal d'Analyse Mathématique. (Jerusalem)
- J. Annamalai Univ. Part B Sci.* Journal of the Annamalai University. Part B. Sciences. (Annamalainagar)
- J. Appl. Math. Mech.* Journal of Applied Mathematics and Mechanics. (Translation of the Soviet journal *Prikladnaja Matematika i Mekhanika*). (New York) (Translation of *Prikl. Mat. Meh.*)
- J. Appl. Phys.* Journal of Applied Physics. (New York)
- J. Appl. Probability.* Journal of Applied Probability. (East Lansing, Mich.)
- J. Assoc. Comput. Mach.* Journal of the Association for Computing Machinery. (New York)
- J. Atmospheric Sci.* Journal of the Atmospheric Sciences. (Boston, Mass.)
- J. Austral. Math. Soc.* The Journal of the Australian Mathematical Society. (Sydney)
- J. Chem. Phys.* The Journal of Chemical Physics. (New York)
- J. China Univ. Sci. Techn.* Journal of the China University of Science and Technology. Zhongguo Kexue Jishu Daxue Xuebao. (Peking)
- J. College Arts Sci. Chiba Univ.* Journal of the College of Arts and Sciences, Chiba University. (Chiba)
- J. Combinatorial Theory.* Journal of Combinatorial Theory. (New York)
- J. Computational Phys.* Journal of Computational Physics. (New York)
- J. Cuneiform Studies.* Journal of Cuneiform Studies. (New Haven, Conn.)
- J. Differential Equations.* Journal of Differential Equations. (New York)
- J. Electronics Control.* Journal of Electronics and Control. (London) (Continued as: *Internat. J. Electronics* and *Internat. J. Control*)
- J. Fac. Engrg. Chiba Univ.* Journal of the Faculty of Engineering, Chiba University. (Chiba)
- J. Fac. Engrg. Univ. Tokyo Ser. B.* Journal of the Faculty of Engineering. University of Tokyo. Series B. (Tokyo)
- J. Fac. Sci. Hokkaido Univ. Ser. I.* Journal of the Faculty of Science. Hokkaido University. Series I. Mathematics. (Sapporo)
- J. Fac. Sci. Univ. Tokyo Sect. I.* Journal of the Faculty of Science. University of Tokyo. Section I. Mathematics, Astronomy, Physics, Chemistry. (Tokyo)
- J. Fluid Mech.* Journal of Fluid Mechanics. (London)
- J. Franklin Inst.* Journal of the Franklin Institute. (Philadelphia, Pa.)
- J. Gakugei Tokushima Univ.* Journal of Gakugei. Tokushima University. (Tokushima)
- J. Geophys. Res.* Journal of Geophysical Research. (Washington, D.C.)
- J. Indian Inst. Sci.* Journal of the Indian Institute of Science. (Bangalore)
- J. Indian Math. Soc.* The Journal of the Indian Mathematical Society. (Madras)
- J. Indian Soc. Agric. Statist.* Journal of the Indian Society of Agricultural Statistics. (New Delhi)
- J. Indian Statist. Assoc.* Journal of the Indian Statistical Association. (Bombay)
- J. Inst. Actuar.* Journal of the Institute of Actuaries. (London)
- J. Inst. Math. Appl.* Journal of the Institute of Mathematics and its Applications. (New York)
- J. Karnatak Univ. Sci.* Journal of the Karnatak University. Science. (Dharwar)
- J. London Math. Soc.* The Journal of the London Mathematical Society. (London)
- J. Madras Univ. B.* Journal of the Madras University. B. Contributions in Mathematics, Physical and Biological Sciences. (Madras)
- J. Math. Anal. Appl.* Journal of Mathematical Analysis and Applications. (New York)
- J. Math. and Phys.* Journal of Mathematics and Physics. (Cambridge, Mass.)
- J. Math. Kyoto Univ.* Journal of Mathematics of Kyoto University. (Kyoto)
- J. Math. Mech.* Journal of Mathematics and Mechanics. (Bloomington, Ind.)
- J. Math. Pures Appl.* Journal de Mathématiques Pures et Appliquées. (Paris)
- J. Math. Soc. Japan.* Journal of the Mathematical Society of Japan. (Tokyo)
- J. Mathematical Phys.* Journal of Mathematical Physics. (New York)
- J. Mathematical Psychology.* Journal of Mathematical Psychology. (New York)
- J. Méc. Phys. Atmos.* Journal de Mécanique et de Physique de l'Atmosphère. (Paris)
- J. Mécanique.* Journal de Mécanique. (Paris)
- J. Mech. Phys. Solids.* Journal of the Mechanics and Physics of Solids. (London)
- J. Nara Gakugei Univ. Natur. Sci.* The Journal of Nara Gakugei University. Natural Science. (Nara)
- J. Natur. Sci. and Math.* The Journal of Natural Sciences and Mathematics. (Lahore)
- J. Operations Res. Soc. Japan.* Journal of the Operations Research Society of Japan. (Tokyo)
- J. Opt. Soc. Amer.* Journal of the Optical Society of America. (New York)
- J. Osaka Inst. Sci. Tech. Part I.* Journal of the Osaka Institute of Science and Technology. (Kinki University). Part I. Mathematics and Physics. (Osaka)

ABBREVIATIONS OF NAMES OF JOURNALS

- J. Phys. Soc. Japan.* Journal of the Physical Society of Japan. (Tokyo)
- J. Proc. Roy. Soc. New South Wales.* Journal and Proceedings of the Royal Society of New South Wales. (Sydney)
- J. Reine Angew. Math.* Journal für die reine und angewandte Mathematik. (Berlin)
- J. Res. Nat. Bur. Standards Sect. B.* Journal of Research of the National Bureau of Standards. Section B. Mathematics and Mathematical Physics. (Washington, D.C.)
- J. Roy. Aeronaut. Soc.* The Journal of the Royal Aeronautical Society. (London)
- J. Roy. Astronom. Soc. Canada.* The Journal of the Royal Astronomical Society of Canada. (Toronto, Ont.)
- J. Roy. Statist. Soc. Ser. A.* Journal of the Royal Statistical Society. Series A (General). (London)
- J. Roy. Statist. Soc. Ser. B.* Journal of the Royal Statistical Society. Series B (Methodological). (London)
- J. Sci. Engrg. Res.* Journal of Science and Engineering Research. (Kharagpur)
- J. Sci. Hiroshima Univ. Ser. A-I Math.* Journal of Science of the Hiroshima University. Series A-I (Mathematics). (Hiroshima)
- J. Sci. Res. Banaras Hindu Univ.* The Journal of Scientific Research of the Banaras Hindu University. (Banaras)
- J. Ship Res.* Journal of Ship Research. (New York)
- J. Soc. Indust. Appl. Math.* Journal of the Society for Industrial and Applied Mathematics. (Philadelphia, Pa.) (Continued as: *SIAM J. Appl. Math.*)
- J. Soc. Indust. Appl. Math. Ser. A Control.* Journal of the Society for Industrial and Applied Mathematics. Series A: Control. (Philadelphia, Pa.) (Continued as: *SIAM J. Control*)
- J. Soc. Indust. Appl. Math. Ser. B Numer. Anal.* Journal of the Society for Industrial and Applied Mathematics. Series B. Numerical Analysis. (Philadelphia, Pa.) (Continued as: *SIAM J. Numer. Anal.*)
- J. Symbolic Logic.* The Journal of Symbolic Logic. (Providence, R.I.)
- J. Tsing Hua Univ.* Journal of Tsing Hua University. (Peking)
- J. Univ. Bombay.* Journal of the University of Bombay. (Bombay)
- J. Washington Acad. Sci.* Journal of the Washington Academy of Sciences. (Washington, D.C.)
- J. Zosen Kiokai.* Journal of Zosen Kiokai. Society of Naval Architects of Japan. (Tokyo)
- Jadernaja Fiz.* Akademija Nauk SSSR. Jadernaja Fizika. (Moscow) (Translated as: *Soviet J. Nuclear Phys.*)
- Janus.* Janus. Revue Internationale de l'Histoire des Sciences, de la Médecine, de la Pharmacie et de la Technique. (Leyden)
- Japan. J. Math.* Science Council of Japan. Japanese Journal of Mathematics. (Tokyo)
- Jaroslav. Gos. Ped. Inst. Dokl. Naučn. Konfer.* Jaroslavskij Gosudarstvennyj Pedagogičeskij Institut. Doklady na Naučnyh Konferencijah. (Jaroslavl)
- Jber. Deutsch. Math.-Verein.* Jahresbericht der Deutschen Mathematiker-Vereinigung. (Stuttgart)
- JETP Lett.* JETP Letters. (A translation of *JETP [ŽETF] Pis'ma v Redakciju* [Redakciju] of the Academy of Sciences of the USSR). (New York) (Translation of *ŽETF Pis'ma*)
- Kabardino-Balkarsk. Gos. Univ. Učen. Zap. Ser. Fiz.-Mat.* Kabardino-Balkarskij Gosudarstvennyj Universitet. Učenyje Zapiski. Serija Fiziko-Matematičeskaja. (Nalčik)
- Kalinin. Gos. Ped. Inst. Učen. Zap.* Kalininskij Gosudarstvennyj Pedagogičeskij Institut im. M. I. Kalinina. Učenyje Zapiski. (Kalinin)
- Kazan. Gos. Univ. Učen. Zap.* Kazanskij Ordena Trudovogo Krasnogo Znameni Gosudarstvennyj Universitet im. V. I. Ul'janova-Lenina. Učenyje Zapiski. (Kazan)
- Keiei-Kagaku.* Keiei-Kagaku (Management Science). Japanese Operations Research Association. (Tokyo)
- Kemerov. Gos. Ped. Inst. Učen. Zap.* Kemerovskij Gosudarstvennyj Pedagogičeskij Institut. Učenyje Zapiski. (Kemerovo)
- Kexue Tongbao.* Chinese Academy of Science. Kexue Tongbao (Science Bulletin). (Peking)
- Kexue Tongbao (Foreign Lang. Ed.).* Academia Sinica. Kexue Tongbao (Science Bulletin) (Foreign Language Edition). (Peking)
- Kibernetika (Kiev).* Otdelenie Matematiki, Mehaniki i Kibernetiki Akademii Nauk Ukrainkoj SSR. Kibernetika. (Kiev) (Translated as: *Cybernetics*)
- Kišinev. Gos. Univ. Učen. Zap.* Ministerstvo Narodnogo Obrazovanija Moldavskoj SSR. Kišinevskij Gosudarstvennyj Universitet. Učenyje Zapiski. (Kišinev)
- Kōdai Math. Sem. Rep.* Kōdai Mathematical Seminar Reports. (Tokyo)
- Kolomen. Ped. Inst. Učen. Zap.* Ministerstvo Prosveščenija RSFSR. Kolomenskij Pedagogičeskij Institut. Učenyje Zapiski. (Kolomna) (Formerly: *Kolomen. Ped. Inst. Učen. Zap. Ser. Fiz.-Mat.*)
- Kolomen. Ped. Inst. Učen. Zap. Ser. Fiz.-Mat.* Ministerstvo Prosveščenija RSFSR. Kolomenskij Pedagogičeskij Institut. Učenyje Zapiski. Serija Fiziko-Matematičeskaja. (Kolomna) See *Kolomen. Ped. Inst. Učen. Zap.*
- Kosmič. Issled.* Akademija Nauk SSSR. Kosmičeskie Issledovanija. (Moscow) (Translated as: *Cosmic Research*)
- Köz. Mat. Lapok.* Középiakolai Matematikai Lapok. (Budapest)
- Kristallografija.* Akademija Nauk SSSR. Kristallografija. (Moscow) (Translated as: *Soviet Physics Cryst.*)
- Kuibyšev. Gos. Ped. Inst. Učen. Zap.* Ministerstvo Prosveščenija RSFSR. Kuibyševskij Gosudarstvennyj Pedagogičeskij Institut imeni V. V. Kuibyševa. Učenyje Zapiski. (Kuybyshev)
- Kumamoto J. Sci. Ser. A.* Kumamoto Journal of Science. Series A (Mathematics, Physics and Chemistry). (Kumamoto)
- Kungl. Svenska Vetenskapsakad. Handl.* Kungl. Svenska Vetenskapsakademiens Handlingar. (Stockholm)
- Kungl. Tekn. Högsk. Handl. Stockholm.* Kungl. Tekniska Högskolans Handlingar. Transactions of the Royal Institute of Technology, Stockholm, Sweden. (Stockholm)
- Kybernetik (Berlin).* Kybernetik. (Berlin)
- Kybernetika (Prague).* Kybernetika. (Prague)
- Kyungpook Math. J.* Kyungpook National University. Kyungpook Mathematical Journal. (Taegu)
- Latvijas PSR Zinātņu Akad. Vēstis.* Latvijas PSR Zinātņu Akadēmijas Vēstis. Izvestija Akademii Nauk Latvijas SSR. (Riga)
- Latvijas PSR Zinātņu Akad. Vēstis Fiz. Tehn. Zinātņu Sēr.* Latvijas PSR Zinātņu Akadēmijas Vēstis. Fizikas un Tehnisko Zinātņu Sērija. Izvestija Akademii Nauk Latvijas SSR. Serija Fizičeskij i Tehničeskij Nauk. (Riga)
- Latvijas Valsts Univ. Zināt. Raksti.* PSRS Augstākās Izglītības Ministrija. Pēters Stučka Latvijas Valsts Universitāte. Zinātniskie Raksti. Ministerstvo Vyššego Obrazovanija. Latvijskij Gosudarstvennyj Universitet im. Petra Stučki. Učenyje Zapiski. (Riga)
- Leningrad. Gos. Ped. Inst. Učen. Zap.* Leningradskij Gosudarstvennyj Pedagogičeskij Institut im. A. I. Gercena. Učenyje Zapiski. (Leningrad)
- Leningrad. Gos. Univ. Učen. Zap. Ser. Mat. Nauk.* Leningradskij Gosudarstvennyj Ordena Lenina Universitet imeni. A. A. Ždanova. Učenyje Zapiski. Serija Matematičeskij Nauk. (Leningrad)
- Leningrad. Politehn. Inst. Trudy.* Ministerstvo Vyššego i Srednego Special'nogo Obrazovanija RSFSR. Leningradskij Politehničeskij Institut im. M. I. Kalinina. Trudy LPI. (Leningrad)

ABBREVIATIONS OF NAMES OF JOURNALS

Litovsk. Fiz. Sb. Lietuvos TSR Mokslų Akademija. Lietuvos TSR Aukštojo Mokyklos. Lietuvos Fizikos Rinkiny. Akademija Nauk Litovskoi SSR. Vyšie Školy Litovskoi SSR. Litovskii Fizicheskii Sbornik. (Vilnius)

Litovsk. Mat. Sb. Lietuvos TSR Mokslų Akademija. Lietuvos TSR Aukštojo Mokyklos. Lietuvos Matematikos Rinkiny. Akademija Nauk Litovskoi SSR. Vyšie Učebnye Zavedeniya Litovskoi SSR. Litovskii Matematicheskii Sbornik. (Vilnius)

Logique et Analyse. Logique et Analyse. (Louvain)

Lucrăr. Ști. Inst. Politehn. Brașov. Ministerul Învățământului. Institutul Politehnic Brașov. Facultatea de Mecanică. Lucrări Științifice. (Brașov) (Formerly: *Lucrăr. Ști. Inst. Politehn. Brașov Fac. Mec.*)

Lucrăr. Ști. Inst. Politehn. Brașov Fac. Mec. Lucrări Științifice Facultatea de Mecanică. (Brașov) (Continued as: *Lucrăr. Ști. Inst. Politehn. Brașov*)

L'ouv. Politehn. Inst. Naučn. Zap. Ser. Fiz.-Mat. MVO USSR. L'ovskii Politehnicheskii Institut. Nauchnye Zapiski. Seriya Fiziko-Matematicheskaya. (Lvov)

Madhya Bharati II A. Madhya Bharati. Journal of the University of Saugar. Part II, Sec. A. (Saugar) See *Madhya Bharati J. Univ. Saugar II A.*

Madhya Bharati J. Univ. Saugar II A. Madhya Bharati. Journal of the University of Saugar. Part II, Sec. A. (Saugar) (Formerly: *Madhya Bharati II A*)

Magnetohydrodynamics. Magnetohydrodynamics. (A translation of *Magnitnaya Gidrodinamika* of the Academy of Sciences of the Latvian SSR). (New York) (Translation of *Magnit. Gidrodinamika*)

Magnit. Gidrodinamika. Akademija Nauk Latvīskoi SSR. Magnitnaya Gidrodinamika. (Riga) (Translated as: *Magnetohydrodynamics*)

Magyar Tud. Akad. Mat. Fiz. Oszt. Köz. A Magyar Tudományos Akadémia Matematikai és Fizikai Tudományok Osztályának Közleményei. (Budapest)

Magyar Tud. Akad. Mat. Kutató Int. Köz. A Magyar Tudományos Akadémia Matematikai Kutató Intézetének Közleményei. (Budapest) (Continued as: *Studia Sci. Math. Hungar.*)

Management Sci. Management Science. Journal of the Institute of Management Science. (Philadelphia, Pa.)

Manchester Lit. Philos. Soc. Mem. Proc. Manchester Literary and Philosophical Society. Memoirs and Proceedings. (Manchester)

Mari. Gos. Ped. Inst. Učen. Zap. Mariiskii Gosudarstvennyi Pedagogicheskii Institut. Uchenye Zapiski. (Ioshkar-Ola)

Mat.-Fys. Medd. Danske Vid. Selsk. Matematiskfysiske Meddelelser udgivet af Det Kongelige Danske Videnskabernes Selskab. (Copenhagen)

Mat.-Fys. Skr. Danske Vid. Selsk. Matematiskfysiske Skrifter udgivet af Det Kongelige Danske Videnskabernes Selskab. (Copenhagen)

Mat.-Fyz. Časopis Sloven. Akad. Vied. Matematičko-Fyzikálny Časopis. Slovenská Akadémia Vied. (Bratislava)

Mat. Issled. Akademija Nauk Moldavskoi SSR. Institut Matematiki i Vyčislitel'nym Centrom. Matematičeskije Issledovaniya. (Kishinev)

Mat. Lapok. Matematikai Lapok. Bolyai János Matematikai Társulat. (Budapest)

Mat. Sb. Matematicheskii Sbornik. Novaya Seriya. (Moscow)

Mat. Vesnik. Društvo Matematičara, Fizičara i Astronoma SRS i Matematički Institut-Beograd. Matematički Vesnik. Nova Seriya. (Belgrade)

Matematiche (Catania). Le Matematiche. (Catania)

Math. Ann. Mathematische Annalen. (Berlin-Göttingen-Heidelberg)

Math. Centrum Amsterdam Afd. Zuivere Wisk. Mathematisch Centrum Amsterdam. Afdeling Zuivere Wiskunde. (Amsterdam)

Math. Centrum Amsterdam Rekenafdeling. Mathematisch Centrum Amsterdam. Rekenafdeling. (Amsterdam)

Math. Comp. Mathematics of Computation. (Washington, D.C.)

Math. Gaz. The Mathematical Gazette. (London)

Math. J. Okayama Univ. Mathematical Journal of Okayama University. (Okayama)

Math. Japon. Mathematica Japonica. (Kobe)

Math. Mag. Mathematics Magazine. (Buffalo, N.Y.)

Math. Nachr. Mathematische Nachrichten. (Berlin)

Math. Naturwiss. Unterricht. Der mathematische und naturwissenschaftliche Unterricht. (Bonn)

Math. Notas. Mathematicae Notas. Boletín del Instituto de Matemática. (Rosario)

Math.-Phys. Semesterber. Mathematisch-Physikalische Semesterberichte. (Göttingen)

Math. Reviews. Mathematical Reviews. (Providence, R.I.) (Usually abbreviated as *MR* in the text of *Math. Reviews*)

Math. Scand. Mathematica Scandinavica. (Copenhagen)

Math. Student. The Mathematics Student. (Madras)

Math. Systems Theory. Mathematical Systems Theory. (New York)

Math.-Tech.-Wirtschaft. Mathematik-Technik-Wirtschaft. Zeitschrift für moderne Rechentechnik und Automation. (Vienna)

Math. und Wirtschaft. Mathematik und Wirtschaft. (Berlin)

Math. Z. Mathematische Zeitschrift. (Berlin-Göttingen-Heidelberg)

Mathematica (Cluj). Societatea de Științe Matematice și Fizice din R.P.R. Filiala Cluj. Mathematica. (Cluj)

Mathematika. Mathematika. A Journal of Pure and Applied Mathematics. (London)

Mathematikunterricht. Der Mathematikunterricht. Beiträge zu seiner wissenschaftlichen und methodischen Gestaltung. (Stuttgart)

Mathesis. Mathesis. Recueil Mathématique à l'Usage des Écoles Spéciales et des Établissements d'Instruction Moyenne. (Mons)

Matrix Tensor Quart. The Tensor Club of Great Britain. The Matrix and Tensor Quarterly. (London)

Mech. Teoret. Stos. Polskie Towarzystwo Mechaniki Teoretycznej i Stosowanej. Mechanika Teoretyczna i Stosowana. (Warsaw)

Medd. Lunds Astronom. Obs. Ser. I. Meddelanden från Lunds Astronomiska Observatorium. Series I. (Lund)

Medd. Lunds Astronom. Obs. Ser. II. Meddelanden från Lunds Astronomiska Observatorium. Series II. (Lund)

Medd. Lunds Univ. Mat. Sem. Meddelanden från Lunds Universitets Matematiska Seminarium. Communications du Séminaire Mathématique de l'Université de Lund. (Lund)

Melekes. Gos. Ped. Inst. Učen. Zap. Melekeskii Gosudarstvennyi Pedagogicheskii Institut. Uchenye Zapiski. (Melekes)

Mem. Amer. Math. Soc. Memoirs of the American Mathematical Society. (Providence, R.I.)

Mem. Defense Acad. Memoirs of the Defense Academy (Mathematics, Physics, Chemistry and Engineering) (Yokosuka)

Mem. Fac. Ci. Univ. Habana Ser. Mat. Memorias de la Facultad de Ciencias. Universidad de la Habana. Serie Matemática. (Havana)

Mem. Fac. Ed. Kumamoto Univ. Sect. 1. Memoirs of the Faculty of Education. Kumamoto University. Section 1. (Natural Science). (Kumamoto)

Mem. Fac. Engrg. Hiroshima Univ. Memoirs of the Faculty of Engineering. Hiroshima University. (Hiroshima)

Mem. Fac. Engrg. Miyazaki Univ. Memoirs of the Faculty of Engineering. Miyazaki University. (Miyazaki)

Mem. Fac. Sci. Kyushu Univ. Ser. A. Memoirs of the Faculty of Science. Kyushu University. Series A. Mathematics. (Fukuoka)

Mem. Ist. Lombardo Accad. Sci. Lett. Cl. Sci. Mat. Natur. Memorie dell'Istituto Lombardo. Accademia di Scienze e Lettere. Classe di Scienze Matematiche e Naturali. (Milan)

- Mem. Kitami College Tech.* Memoirs of the Kitami College of Technology. (Kitami) (Continued as: *Mem. Kitami Inst. Tech.*)
- Mem. Kitami Inst. Tech.* Memoirs of the Kitami Institute of Technology. (Kitami) (Formerly: *Mem. Kitami College Tech.*)
- Mem. Mat. Inst. "Jorge Juan".* Consejo Superior de Investigaciones Científicas. Memorias de Matemática del Instituto "Jorge Juan". (Madrid)
- Mem. Muroran Inst. Tech.* Memoirs of the Muroran Institute of Technology. (Murooran)
- Mem. Osaka Univ. Lib. Arts Ed. Ser. B.* Memoirs of the Osaka University of the Liberal Arts and Education. Series B. Natural Sciences. (Osaka)
- Mem. Real Acad. Ci. Art. Barcelona.* Memorias de la Real Academia de Ciencias y Artes de Barcelona. (Barcelona)
- Mem. Real Acad. Ci. Exact. Fis. Natur. Madrid.* Memorias de la Real Academia de Ciencias Exactas, Físicas y Naturales de Madrid. Serie de Ciencias Exactas. (Madrid)
- Mem. Roy. Astronom. Soc.* Memoirs of the Royal Astronomical Society. (London)
- Mem. School Sci. Engrg. Waseda Univ. Tokyo.* Memoirs of the School of Science and Engineering. Waseda University, Tokyo. (Tokyo)
- Mem. Soc. Astronom. Ital.* Memorie della Società Astronomica Italiana. (Milan)
- Mém. Soc. Roy. Sci. Liège Coll. in-4°.* Mémoires de la Société Royale des Sciences de Liège. Collection in-4°. (Liège)
- Mém. Soc. Roy. Sci. Liège Coll. in-8°.* Mémoires de la Société Royale des Sciences de Liège. Collection in-8°. (Liège)
- Mémor. Sci. Math.* Mémorial des Sciences Mathématiques. (Paris)
- Mémor. Sci. Phys.* Mémorial des Sciences Physiques. (Paris)
- Météorol.* La Météorologie. (Paris)
- Metody Vyčisl.* Leningradskii Ordena Lenina Gosudarstvennyi Universitet imeni A. A. Ždanova. Kafedra Vyčislitel'noi Matematiki i Vyčislitel'nyi Centr. Metody Vyčislenii. (Leningrad)
- Metrika.* Metrika. (Würzburg)
- Metroecon.* Metroeconomica. Rivista Internazionale di Economica. (Bologna)
- Metron.* Metron. (Rome)
- Michigan Math. J.* The Michigan Mathematical Journal. (Ann Arbor, Mich.)
- Min. Proc. Roy. Irish Acad.* Minutes of Proceedings. Royal Irish Academy. (Dublin)
- Mind.* Mind. A Quarterly Review of Psychology and Philosophy. (London)
- Mitt. Inst. Angew. Math. Zürich.* Mitteilungen aus dem Institut für angewandte Mathematik an der Eidgenössischen Technischen Hochschule in Zürich. (Zürich)
- Mitt. Inst. Theoret. Phys. Geophys. Bergakad. Freiberg.* Mitteilungen aus dem Institut für Theoretische Physik und Geophysik der Bergakademie Freiberg. (Freiberg)
- Mitt. Math. Gesellsch. Hamburg.* Mitteilungen der mathematischen Gesellschaft in Hamburg. (Hamburg)
- Mitt. Math. Sem. Gießen.* Mitteilungen aus dem Mathematischen Seminar Gießen. (Gießen)
- Mitt. Max-Planck-Inst. Strömungsforsch.* Mitteilungen aus dem Max-Planck-Institut für Strömungsforschung. (Göttingen)
- Mitt. Naturforsch. Ges. Bern.* Mitteilungen der Naturforschenden Gesellschaft Bern. (Bern)
- Mitt. Verein. Schweiz. Versich.-Math.* Mitteilungen der Vereinigung Schweizerischer Versicherungsmathematiker. Bulletin de l'Association des Actuaires Suisses. (Bern)
- Molecular Phys.* Molecular Physics. (London)
- Monatsh. Deutsch. Akad. Wiss. Berlin.* Monatsberichte der Deutschen Akademie der Wissenschaften zu Berlin. (Berlin)
- Monatsh. Math.* Monatshefte für Mathematik. (Vienna)
- Monthly Notices Roy. Astronom. Soc.* Monthly Notices of the Royal Astronomical Society. (London)
- Moskov. Gos. Ped. Inst. Učen. Zap.* Moskovskii Gosudarstvennyi Pedagogičeskii Institut im. V. I. Lenina. Učenyje Zapiski. (Moscow)
- Moskov. Gos. Univ. Soobšč. Gos. Astronom. Inst. Šternberg.* Moskovskii Gosudarstvennyi Universitet im. M. V. Lomonosova. Soobščeniya Gosudarstvennogo Astronomičeskogo Instituta im. P. K. Šternberga. (Moscow)
- Moskov. Gos. Univ. Trudy Gos. Astronom. Inst. Šternberg.* Moskovskii Gosudarstvennyi Universitet im. M. V. Lomonosova. Trudy Gosudarstvennogo Astronomičeskogo Instituta im. P. K. Šternberga. (Moscow)
- Moskov. Gos. Univ. Voprosy Meh.* Moskovskii Gosudarstvennyi Universitet. Voprosy Mehaniki. (Moscow)
- Moskov. Oblast. Ped. Inst. Učen. Zap.* Moskovskii Oblastnoi Pedagogičeskii Institut. Učenyje Zapiski. (Moscow)
- Moscow Univ. Bull. Ser. III Phys. Astronom.* Moscow University. Moscow University Bulletin. Series III. Physics and Astronomy. (Acton, Mass.) (Translation of *Vestnik Moskov. Univ. Ser. III Fiz. Astronom.*)
- M.R.* Mathematical Reviews. (Providence, R.I.)
- Nachr. Akad. Wiss. Göttingen Math.-Phys. Kl. II.* Nachrichten der Akademie der Wissenschaften in Göttingen. II. Mathematisch-Physikalische Klasse. (Göttingen)
- Nagoya Math. J.* Nagoya Mathematical Journal. (Nagoya)
- Nat. Bur. Standards Appl. Math. Ser.* National Bureau of Standards. Applied Mathematics Series. (Washington, D.C.)
- Nat. Lucht- en Ruimtevaartlab. Amsterdam Rep.* Nationaal Lucht- en Ruimtevaartlaboratorium. National Aero- and Astronautical Research Institute Amsterdam. Report. (Amsterdam)
- Natur. Sci. Rep. Ochanomizu Univ.* Natural Science Report of the Ochanomizu University. (Tokyo)
- Naturwissenschaften.* Die Naturwissenschaften. (Berlin-Göttingen-Heidelberg)
- Naval Res. Logist. Quart.* Naval Research Logistics Quarterly. (Washington, D.C.)
- Navigation.* Navigation. Journal of the Institute of Navigation. (Los Angeles, Calif.)
- Nederl. Akad. Wetensch. Indag. Math.* Koninklijke Nederlandse Akademie van Wetenschappen. Indagationes Mathematicae ex Actis Quibus Titulus. Proceedings of the Section of Sciences. (Amsterdam) (Same as: *Nederl. Akad. Wetensch. Proc. Ser. A*)
- Nederl. Akad. Wetensch. Proc. Ser. A.* Koninklijke Nederlandse Akademie van Wetenschappen. Proceedings. Series A. Mathematical Sciences. (Amsterdam) (Same as: *Nederl. Akad. Wetensch. Indag. Math.*)
- Nederl. Akad. Wetensch. Proc. Ser. B.* Koninklijke Nederlandse Akademie van Wetenschappen. Proceedings. Series B. Physical Sciences. (Amsterdam)
- Nederl. Akad. Wetensch. Verslag Afd. Natuurk.* Koninklijke Nederlandse Akademie van Wetenschappen. Verslag van de Gewone Vergadering van de Afdeling Natuurkunde. (Amsterdam)
- Nederl. Tijdschr. Natuurk.* Nederlands Tijdschrift voor Natuurkunde. (Utrecht)
- New Zealand J. Sci.* New Zealand Journal of Science. (Wellington)
- Nieuw Arch. Wisk.* Nieuw Archief voor Wiskunde. (Groningen)
- Nieuw Tijdschr. Wisk.* Nieuw Tijdschrift voor Wiskunde. (Groningen-Djakarta)
- Nigerian J. Sci.* University of Ibadan. Nigerian Journal of Science. (Ibadan)
- Nordisk Mat. Tidsskr.* Nordisk Matematisk Tidsskrift. (Oslo)
- Nordisk Tidsskr. Informations-Behandling.* Nordisk Tidsskrift for Informations-Behandling. (Copenhagen)

ABBREVIATIONS OF NAMES OF JOURNALS

- Norsk Vid. Selak. Forh. (Trondheim).* Det Kongelige Norske Videnskabers Selskabs Forhandling. (Trondheim)
- Norsk Vid. Selak. Skr. (Trondheim).* Det Kongelige Norske Videnskabers Selskabs Skrifter. (Trondheim)
- Notas Mat.* Notas de Matemática. (Rio de Janeiro)
- Notices Amer. Math. Soc.* Notices of the American Mathematical Society. (Providence, R.I.)
- Notre Dame J. Formal Logic.* Notre Dame Journal of Formal Logic. (Notre Dame, Ind.)
- Nova Acta Soc. Sci. Upsal.* Nova Acta Regiae Societatis Scientiarum Upsaliensis. (Uppsala)
- Nuclear Fusion.* Nuclear Fusion. (Vienna)
- Nuclear Phys.* Nuclear Physics. (Amsterdam)
- Numer. Math.* Numerische Mathematik. (Berlin-Göttingen-Heidelberg)
- Nuovo Cimento.* Il Nuovo Cimento. (Bologna) (Continued as *Nuovo Cimento A* and *Nuovo Cimento B*)
- Nuovo Cimento A.* Il Nuovo Cimento A. (Bologna) (Formerly: *Nuovo Cimento*)
- Nuovo Cimento B.* Il Nuovo Cimento B. (Bologna) (Formerly: *Nuovo Cimento*)
- Nuovo Cimento Suppl.* Supplemento al Nuovo Cimento. (Bologna)
- O.N.E.R.A. Publ.* Office National d'Études et de Recherches Aéronautiques. Publication. (Paris)
- Observatory.* The Observatory. A Review of Astronomy. (Halleham)
- Obzornik Mat. Fiz.* Društvo Matematikov, Fizikov in Astronomov SRS. Obzornik za Matematiko in Fiziko. (Ljubljana)
- Odess. Gos. Univ. Naučn. Eŭegodnik.* Ministerstvo Vyššego i Srednego Special'nogo Obrazovanija USSR. Odeskij Gosudarstvennyj Universitet. Naučnyj Eŭegodnik. (Odessa)
- Operations Res.* Operations Research. The Journal of the Operations Research Society of America. (Baltimore, Md.) (Sometimes abbreviated as *OR* in *Math. Reviews*)
- Optica Acta.* Optica Acta. (London)
- Optik.* Optik. Zeitschrift für das gesamte Gebiet der Licht- und Elektronenoptik. (Stuttgart)
- Optimal. Planirovanie.* Optimal'noe Planirovanie. Akademija Nauk SSSR. Sibirskoe Otdelenie. Institut Matematiki. (Novosibirsk)
- Orehovo-Zuev. Ped. Inst. Učen. Zap. Kaf. Mat.* Ministerstvo Prosvešćenija RSFSR. Orekhovo-Zuevskij Pedagogičeskij Institut. Učenyje Zapiski Kafedry Matematiki. (Moscow)
- Osaka J. Math.* Osaka Journal of Mathematics. (Osaka)
- Österreich. Akad. Wiss. Math.-Natur. Kl. S.-B. II.* Österreichische Akademie der Wissenschaften. Mathematisch-Naturwissenschaftliche Klasse. Sitzungsberichte. Abteilung II. Mathematik, Astronomie, Physik, Meteorologie und Technik. (Vienna)
- P.A.* Science Abstracts. Physics Abstracts. (London)
- Pacific J. Math.* Pacific Journal of Mathematics. (Berkeley, Calif.)
- Papers and Proc. Roy. Soc. Tasmania.* Papers and Proceedings of the Royal Society of Tasmania. (Hobart)
- Penz. Politehn. Inst. Učen. Zap. Mat. Meh.* Penzenskij Politehničeskij Institut. Matematika i Mehanika. Učenyje Zapiski. (Penza)
- Period. Mat.* Periodico di Matematiche. (Bologna)
- Perm. Gos. Univ. Učen. Zap.* Permskij Gosudarstvennyj Universitet imeni A. M. Gor'kogo. Učenyje Zapiski. (Perm) (Formerly: *Perm. Gos. Univ. Učen. Zap. Mat.*)
- Perm. Gos. Univ. Učen. Zap. Mat.* Ministerstvo Vyššego i Srednego Special'nogo Obrazovanija RSFSR. Permskij Gosudarstvennyj Universitet im. A. M. Gor'kogo. Učenyje Zapiski. Matematika. (Perm) (Continued as: *Perm. Gos. Univ. Učen. Zap.*)
- Perm. Politehn. Inst. Sb. Naučn. Trud.* Permskij Politehničeskij Institut. Sbornik Naučnyh Trudov. (Perm)
- Philos. Mag.* The Philosophical Magazine. A Journal of Theoretical, Experimental and Applied Science. (London)
- Philos. Rev.* The Philosophical Review. (Ithaca, N.Y.)
- Philos. Sci.* Philosophy of Science. (Baltimore, Md.)
- Philos. Trans. Roy. Soc. London Ser. A.* Philosophical Transactions of the Royal Society of London. Series A. Mathematical and Physical Sciences. (London)
- Phys. Fluids.* The Physics of Fluids. (New York)
- Phys. Lett.* Physics Letters. (Amsterdam)
- Phys. Norveg.* Physica Norvegica. (Oslo)
- Phys. Rev.* The Physical Review. (New York)
- Phys. Rev. Lett.* Physical Review Letters. (New York)
- Physica.* Physica. (Amsterdam)
- Physics.* Physica. Physique. Fizika. (Long Island, N.Y.)
- Physics Abstracts.* Science Abstracts. Physics Abstracts. (London) (Usually abbreviated *PA* in the text of *Math. Reviews*) (Formerly: *Sci. Abstracts Sect. A*)
- PMTF Ž. Prikl. Meh. i Tehn. Fiz.* PMTF. Žurnal Prikladnoj Mehaniki i Tehničeskoj Fiziki. (Moscow) See *Ž. Prikl. Meh. i Tehn. Fiz.*
- Pokroky Mat. Fiz. Astronom.* Jednota Československých Matematiků a Fyziku. Pokroky Matematiky, Fyziky a Astronomie. (Prague)
- Polaka Biblio. Analit. Mech.* Polska Akademia Nauk. Instytut Podstawowych Problemów Techniki. Polska Bibliografia Analityczna. Mechanika. Polish Scientific Abstracts. Mechanics. (Warsaw)
- Portugal. Math.* Portugaliae Mathematica. (Lisbon)
- Portugal. Phys.* Portugaliae Physica. (Lisbon)
- Postępy Astronom.* Polskie Towarzystwo Astronomiczne. Postępy Astronomii. (Warsaw)
- Postępy Fiz.* Polskie Towarzystwo Fizyczne. Postępy Fizyki. (Warsaw)
- Prace Mat.* Roczniki Polskiego Towarzystwa Matematycznego. Seria I. Prace Matematyczne. (Warsaw)
- Prakt. Akad. Athénōn.* Πρακτικά τῆς Ἀκαδημίας Ἀθηνῶν. (Athens)
- Približ. Metod. Rešen. Differencial'. Uravnen.* Približennyye Metody Rešenija Differencial'nyh Uravnenij. (Kiev)
- Prikl. Mat. Meh.* Akademija Nauk SSSR. Otdelenie Tehničeskijh Nauk. Institut Mehaniki. Prikladnaja Matematika i Mehanika. (Moscow) (Translated as: *J. Appl. Math. Mech.*)
- Prikladna. Meh.* Akademija Nauk Ukrainkoj SSR. Otdelenie Matematiki, Mehaniki i Kibernetiki. Prikladnaja Mehanika. (Kiev)
- Primenen. Mat. Ekonom.* Leningradskij Ordena Lenina Gosudarstvennyj Universitet imeni A. A. Ždanova. Kafedra i Laboratorija Ekonomiko-Matematičeskijh Metodov. Primenenie Matematiki v Ekonomike. (Leningrad)
- Probleme der Kybernetik.* Probleme der Kybernetik. (Berlin) (Translation of *Problemy Kibernet.*)
- Problemy Kibernet.* Problemy Kibernetiki. (Moscow)
- Problemy Peredači Informacii.* Akademija Nauk SSSR. Institut Problem Peredači Informacii Akademii Nauk SSSR. Problemy Peredači Informacii. (Moscow)
- Proc. Amer. Math. Soc.* Proceedings of the American Mathematical Society. (Providence, R.I.)
- Proc. Cambridge Philos. Soc.* Proceedings of the Cambridge Philosophical Society. (Cambridge, England)
- Proc. Edinburgh Math. Soc.* Proceedings of the Edinburgh Mathematical Society. (Edinburgh)

- Proc. Edinburgh Math. Soc. Edinburgh Math. Notes.* Proceedings of the Edinburgh Mathematical Society. Edinburgh Mathematical Notes. (Edinburgh)
- Proc. Egyptian Acad. Sci.* Proceedings of the Egyptian Academy of Sciences. (Cairo)
- Proc. Fac. Engrg. Keio Univ.* Proceedings of the Fujihara Memorial Faculty of Engineering. Keio University. (Tokyo)
- Proc. Glasgow Math. Assoc.* Proceedings of the Glasgow Mathematical Association. (Glasgow) (Continued as: *Glasgow Math. J.*)
- Proc. IEEE.* Proceedings of the IEEE. (New York)
- Proc. Indian Acad. Sci. Sect. A.* Proceedings of the Indian Academy of Sciences. Section A. (Bangalore)
- Proc. Indiana Acad. Sci.* Proceedings of the Indiana Academy of Science. (Indianapolis, Ind.)
- Proc. Inst. Elec. Engrs.* Proceedings of the Institution of Electrical Engineers. Electronics. Power. Science & General. (London)
- Proc. Inst. Mech. Engrs. Part I.* Proceedings of the Institution of Mechanical Engineers. Part I. (London)
- Proc. Inst. Statist. Math.* The Proceedings of the Institute of Statistical Mathematics. (Tokyo)
- Proc. Japan Acad.* Proceedings of the Japan Academy. (Tokyo)
- Proc. London Math. Soc.* Proceedings of the London Mathematical Society. (London)
- Proc. Math. Phys. Soc. U.A.R. (Egypt).* Proceedings of the Mathematical and Physical Society of U.A.R. (Egypt). (Cairo)
- Proc. Nat. Acad. Sci. India Sect. A.* Proceedings of the National Academy of Sciences, India. Section—A. (Allahabad)
- Proc. Nat. Acad. Sci. U.S.A.* Proceedings of the National Academy of Sciences of the United States of America. (Washington, D.C.)
- Proc. Nat. Inst. Sci. India Part A.* Proceedings of the National Institute of Sciences of India. Part A. Physical Sciences. (New Delhi)
- Proc. Pakistan Statist. Assoc.* Proceedings of the Pakistan Statistical Association. (Lahore)
- Proc. Phys. Soc.* Proceedings of the Physical Society. (London)
- Proc. Rajasthan Acad. Sci.* The Proceedings of the Rajasthan Academy of Sciences. (Pilani)
- Proc. Roy. Irish Acad. Sect. A.* Proceedings of the Royal Irish Academy. Section A. (Dublin)
- Proc. Roy. Soc. Edinburgh Sect. A.* Proceedings of the Royal Society of Edinburgh. Section A. (Mathematical and Physical Sciences). (Edinburgh)
- Proc. Roy. Soc. New Zealand.* Proceedings of the Royal Society of New Zealand. (Wellington)
- Proc. Roy. Soc. Ser. A.* Proceedings of the Royal Society. Series A. Mathematical and Physical Sciences. (London)
- Proc. Roy. Soc. Victoria.* Proceedings of the Royal Society of Victoria. New Series. (Melbourne)
- Proc. Steklov Inst. Math.* Proceedings of the Steklov Institute of Mathematics. (Providence, R.I.) (Translation of *Trudy Mat. Inst. Steklov.*)
- Proc. Vibration Problems.* Polish Academy of Sciences. Institute of Basic Technical Problems. Proceedings of Vibration Problems. (Warsaw)
- Progr. Math.* See *Shuzue Jinzhan.*
- Progr. Theoret. Phys.* Progress of Theoretical Physics. (Kyoto)
- Przegląd Statyst.* Sekcja Statystyki Polskiego Towarzystwa Ekonomicznego. Przegląd Statystyczny. (Warsaw)
- Pskov. Ped. Inst. Fiz.-Mat. Fak. Učen. Zap.* Ministerstvo Prosveščeniya RSFSR. Pskovskii Pedagogičeskii Institut. Fiziko-Matematičeskii Fakul'tet. Učenyje Zapiski. (Pskov)
- Psychometrika.* Psychometrika. A Journal Devoted to the Development of Psychology as a Quantitative Rational Science. (Chapel Hill, N.C.)
- Publ. Astronom. Soc. Pacific.* Publications of the Astronomical Society of the Pacific. (San Francisco, Calif.)
- Publ. Dép. Math. (Lyon).* Publications du Département de Mathématiques. Faculté des Sciences de Lyon. (Lyon)
- Publ. Dept. Math. (Ljubljana).* University of Ljubljana. Institute of Mathematics, Physics and Mechanics. Publications of the Department of Mathematics. (Ljubljana)
- Publ. Inst. Math. (Beograd).* Institut Mathématique. Publications de l'Institut Mathématique. Nouvelle Série. (Belgrade)
- Publ. Inst. Statist. Univ. Paris.* Publications de l'Institut de Statistique de l'Université de Paris. (Paris)
- Publ. Math. Debrecen.* Publicationes Mathematicae. (Debrecen)
- Publ. Res. Inst. Math. Sci. Ser. A.* Publications of the Research Institute for Mathematical Sciences. Series A. (Kyoto)
- Publ. Sci. Tech. Ministère de l'Air (Paris).* Publications Scientifiques et Techniques du Ministère de l'Air. (Paris)
- Publ. Sci. Tech. Ministère de l'Air (Paris) Notes Tech.* Publications Scientifiques et Techniques du Ministère de l'Air. Notes Techniques. (Paris)
- Publ. Sémin. Géom. Univ. Neuchâtel.* Publications du Séminaire de Géométrie de l'Université de Neuchâtel. (Neuchâtel)
- Quart. Appl. Math.* Quarterly of Applied Mathematics. (Providence, R.I.)
- Quart. J. Math. Oxford Ser.* The Quarterly Journal of Mathematics, Oxford Second Series. (Oxford)
- Quart. J. Mech. Appl. Math.* The Quarterly Journal of Mechanics and Applied Mathematics. (Oxford)
- Quart. J. Roy. Astronom. Soc.* The Quarterly Journal of the Royal Astronomical Society. (London)
- Quart. Rev. Sci. Publ.* Polish Academy of Sciences. Distribution Centre for Scientific Publications. Quarterly Review of Scientific Publications. (Warsaw)
- RAAG Newsletter.* RAAG Newsletter. (Tokyo)
- RAAG Res. Notes.* RAAG Research Notes. (Tokyo)
- Rad Jugoslav. Akad. Znan. Umjet.* Rad Jugoslavenake Akademije Znanosti i Umjetnosti. (Zagreb) (Formerly: *Rad Jugoslav. Akad. Znan. Umjet. Odjel Mat. Fiz. Tehn. Nauke*)
- Rad Jugoslav. Akad. Znan. Umjet. Odjel Mat. Fiz. Tehn. Nauke.* Rad Jugoslavenake Akademije Znanosti i Umjetnosti. Odjel za Matematičke, Fizičke i Tehničke Nauke. (Zagreb) See *Rad Jugoslav. Akad. Znan. Umjet.*
- Radio Engrg. and Electronics.* Radio Engineering and Electronics. (Translation of *Radiotekhnika i Elektronika*, a U.S.S.R. Academy of Sciences Publication). (New York) (Translation of *Radiotekhn. i Elektron.*) (Continued as: *Radio Engrg. Electron. Phys.*)
- Radio Engrg. Electron. Phys.* Radio Engineering and Electronic Physics. (Translation of *Radiotekhnika i Elektronika*, a U.S.S.R. Academy of Sciences Publication). (New York) (Translation of *Radiotekhn. i Elektron.*) (Formerly: *Radio Engrg. and Electronics*)
- Radio Sci.* Radio Science. (Washington, D.C.)
- Radiotekhn. (Har'kov).* Har'kovskii Ordena Trudovogo Krasnogo Znameni Gosudarstvennyi Universitet imeni A. M. Gor'kogo. Radiotekhnika. (Kharkov)
- Radiotekhn. i Elektron.* Akademija Nauk SSSR. Radiotekhnika i Elektronika. (Moscow) (Translated as: *Radio Engrg. Electron. Phys.*)
- Ratio.* Ratio. (Oxford)
- RCA Rev.* RCA Review. (New York)
- Recherche Aéropat.* La Recherche Aéropatiale. (Paris)
- Rend. Accad. Sci. Fis. Mat. Napoli.* Società Nazionale di Napoli. Rendiconto dell'Accademia delle Scienze Fisiche e Matematiche. (Naples)

ABBREVIATIONS OF NAMES OF JOURNALS

- Rend. Circ. Mat. Palermo.* Rendiconti del Circolo Matematico di Palermo. (Palermo)
- Rend. Mat. e Appl.* Università di Roma. Istituto Nazionale di Alta Matematica. Rendiconti di Matematica e delle sue Applicazioni. (Rome)
- Rend. Sem. Fac. Sci. Univ. Cagliari.* Rendiconti del Seminario della Facoltà di Scienze della Università di Cagliari. (Cagliari)
- Rend. Sem. Mat. Fis. Milano.* Rendiconti del Seminario Matematico e Fisico di Milano. (Milan)
- Rend. Sem. Mat. Univ. Padova.* Rendiconti del Seminario Matematico dell'Università di Padova. (Padua)
- Rep. Inst. Sci. Tech. Univ. Tokyo.* The Reports of the Institute of Science and Technology, University of Tokyo. (Tokyo)
- Rep. Lib. Arts Sci. Fac. Shizuoka Univ. Sect. Natur. Sci.* Reports of Liberal Arts and Science Faculty. Shizuoka University. Section Natural Science. (Shizuoka)
- Rep. Res. Inst. Appl. Mech. Kyushu Univ.* Reports of Research Institute for Applied Mechanics. Kyushu University. (Fukuoka)
- Rep. Statist. Appl. Res. Un. Japan. Sci. Engrs.* Reports of Statistical Application Research, Union of Japanese Scientists and Engineers. (Tokyo)
- Repúb. Venezuela Bol. Acad. Ci. Fis. Mat. Natur.* República de Venezuela. Boletín de la Academia de Ciencias Físicas, Matemáticas y Naturales. (Caracas)
- Res. Bull. Panjab Univ.* Research Bulletin of the Panjab University. (Hoshiarpur)
- Res. Bull. Regional Engrg. College Warangal.* Research Bulletin. Regional Engineering College. Warangal. (Andhra Pradesh)
- Res. Rep. Nagaoka Tech. College.* Research Reports of the Nagaoka Technical College. (Nagaoka)
- Rev. Acad. Ci. Madrid.* Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales de Madrid. (Madrid)
- Rev. Acad. Ci. Zaragoza.* Revista de la Academia de Ciencias Exactas, Físico-Químicas y Naturales de Zaragoza. (Zaragoza)
- Rev. Acad. Colombiana Ci. Exact. Fis. Natur.* Revista de la Academia Colombiana de Ciencias Exactas, Físicas y Naturales. (Bogotá)
- Rev. Ci. (Lima).* Revista de Ciencias. (Lima)
- Rev. Fac. Ci. Univ. Coimbra.* Revista de Faculdade de Ciências da Universidade de Coimbra. (Coimbra)
- Rev. Française Traitement Information Chiffres.* Revue Française de Traitement de l'Information. Chiffres. (Paris)
- Rev. Gén. Sci. Pures Appl.* Revue Générale des Sciences Pures et Appliquées et Bulletin de l'Association Française pour l'Avancement des Sciences. (Paris)
- Rev. Histoire Sci. Appl.* Revue d'Histoire des Sciences et de leurs Applications. (Paris)
- Rev. Inst. Internat. Statist.* Revue de l'Institut International de Statistique. Review of the International Statistical Institute. (The Hague)
- Rev. Mat. Elem.* Revista de Matemáticas Elementales. (Bogotá)
- Rev. Mat. Hisp.-Amer.* Revista Matemática Hispano-Americana. (Madrid)
- Rev. Mexicana Fis.* Revista Mexicana de Física. (Mexico, D.F.)
- Rev. Modern Phys.* Reviews of Modern Physics. (New York)
- Rev. Optique.* Revue d'Optique Théorique et Instrumentale. (Paris)
- Rev. Roumaine Math. Pures Appl.* Académie de la République Populaire Roumaine. Revue Roumaine de Mathématiques Pures et Appliquées. (Bucharest)
- Rev. Roumaine Phys.* Revue Roumaine de Physique. (Bucharest)
- Rev. Roumaine Sci. Tech. Sér. Méc. Appl.* Revue Roumaine des Sciences Techniques. Série de Mécanique Appliquée. (Bucharest)
- Rev. Un. Mat. Argentina.* Revista de la Unión Matemática Argentina. (Buenos Aires)
- Rice Univ. Studies.* Rice University Studies. (Houston, Tex.)
- Ricerca (Napoli).* La Ricerca. Rivista di Matematiche Pure ed Applicate. (Naples)
- Ricerche Mat.* Ricerche di Matematica. (Naples)
- Rīgas Politehn. Inst. Zinātn. Raksti.* Rīgas Politehniskais Institūts. Rīzskū Politehniskū Institut. Učēnye Zapiski. Rīgas Politehniskais Institūts Zinātniskie Raksti. (Riga)
- Riv. Mat. Univ. Parma.* Rivista di Matematica della Università di Parma. (Parma)
- Rjazansk. Gos. Ped. Inst. Učen. Zap.* Rjazanskij Gosudarstvennij Pedagogičeskij Institut. Učēnye Zapiski. (Ryazan)
- Rostov-na-Donu Gos. Ped. Inst. Fiz.-Mat. Fak. Učen. Zap.* Rostovskij-na-Donu Gosudarstvennij Pedagogičeskij Institut. Fiziko-Matematičeskij Fakul'tet. Učēnye Zapiski. (Rostov-on-Don)
- Rozprawy Československé Akad. Věd.* Rozpravy Československé Akademie Věd. (Prague)
- Rozprawy Inst. Polska Akademia Nauk.* Instytut Podstawowych Problemów Techniki. Rozprawy Inżynierskie. (Warsaw)
- Rozprawy Mat.* Polska Akademia Nauk. Instytut Matematyczny. Rozprawy Matematyczne. (Warsaw) (Continued as: *Dissertationes Math. Rozprawy Mat.*)
- Russian Math. Surveys.* Russian Mathematical Surveys. (A translation of the survey articles and of selected biographical articles in *Uspehi Matematičeskikh Nauk*). (London) (Translation of *Uspehi Mat. Nauk*)
- RŽAvtomat. Telemek. i Vyčisl. Tehn.* Akademija Nauk SSSR. Institut Naučnoj Informacii. Referativnyj Žurnal. Avtomatika, Telemekhanika i Vyčislitel'naja Tehnika. (Moscow)
- RŽFiz.* Akademija Nauk SSSR. Institut Naučnoj Informacii. Referativnyj Žurnal. Fizika. (Moscow)
- RŽKibernet.* Akademija Nauk SSSR. Institut Naučnoj Informacii. Referativnyj Žurnal. Kibernetika. (Moscow)
- RŽMat.* Akademija Nauk SSSR. Institut Naučnoj Informacii. Referativnyj Žurnal. Matematika. (Moscow)
- RŽMeh.* Akademija Nauk SSSR. Institut Naučnoj Informacii. Referativnyj Žurnal. Mehanika. (Moscow)
- Saab Tech. Notes.* Saab Technical Notes. Svenakä Aeroplan Aktiebolaget. (Linköping)
- Sakharth. SSR Mecn. Akad. Gamotvol. Centr. Šrom.* Sakharthvelos SSR Mecnierebatha Akademis Gamotvlihi Centris Šromebi. (Tbilisi) (Formerly listed as: *Trudy Vyčisl. Centra Akad. Nauk Grusin. SSR*)
- Sakharth. SSR Mecn. Akad. Math. Inst. Šrom.* Sakharthvelos SSR Mecnierebatha Akademis A. Razmadzis Sašelobis Tbilisis Matematikis Institutis. Šromebi. (Tbilisi) (Formerly listed as: *Akad. Nauk Grusin. SSR Trudy Tbiliss. Mat. Inst. Razmadze*)
- Sakharth. SSR Mecn. Akad. Moambe.* Sakharthvelos SSR Mecnierebatha Akademis Moambe. (Tbilisi) (Formerly listed as: *Soobšč. Akad. Nauk Grusin. SSR*)
- Sankhyā Ser. A.* Sankhyā (Statistics). The Indian Journal of Statistics. Series A. (Calcutta)
- Sankhyā Ser. B.* Sankhyā (Statistics). The Indian Journal of Statistics. Series B. (Calcutta)
- S.-B. Berlin. Math. Ges.* Sitzungsberichte der Berliner Mathematischen Gesellschaft. (Berlin)
- S.-B. Deutsch. Akad. Wiss. Berlin Kl. Math. Phys. Tech.* Sitzungsberichte der Deutschen Akademie der Wissenschaften zu Berlin. Klasse für Mathematik, Physik und Technik. (Berlin)
- S.-B. Finn. Akad. Wiss.* Sitzungsberichte der Finnischen Akademie der Wissenschaften. Proceedings of the Finnish Academy of Science and Letters. (Helsinki)
- S.-B. Heidelberger Akad. Wiss. Math.-Natur. Kl.* Sitzungsberichte der Heidelberger Akademie der Wissenschaften. Mathematisch-Naturwissenschaftliche Klasse. (Heidelberg)

ABBREVIATIONS OF NAMES OF JOURNALS

- S.-B. Phys.-Med. Soc. Erlangen.* Sitzungsberichte der physikalisch-medizinischen Societät zu Erlangen. (Erlangen)
- S.-B. Sächs. Akad. Wiss. Leipzig Math.-Natur. Kl.* Sitzungsberichte der Sächsischen Akademie der Wissenschaften zu Leipzig. Mathematisch-naturwissenschaftliche Klasse. (Berlin)
- Sb. Práci Ped. Inst. Ostravé.* Sborník Práci Pedagogického Institutu v Ostravě. (Prague)
- Sb. Vysoké. Učení Tech. Brno.* Sborník Vysokého Učení Technického v Brně. (Brno)
- Schr. Math. Inst. Univ. Münster.* Schriftenreihe des Mathematischen Instituts der Universität Münster. (Münster)
- Schweiz. Z. Vermess. Kulturtech. Photogr.* Schweizerische Zeitschrift für Vermessung, Kulturtechnik und Photogrammetrie. Revue Technique Suisse des Mensurations, du Génie Rural et de Photogrammétrie. (Winterthur)
- Sci. Abstracts China Sect. Math. Phys. Sci.* Institute of Scientific and Technical Information of China. Science Abstracts of China. Mathematical and Physical Sciences. (Peking)
- Sci. Abstracts Sect. A.* Science Abstracts. Section A. Physics Abstracts. (London) (Usually abbreviated *SA* in the text of *Math. Reviews*) (Continued as: *Physics Abstracts*)
- Sci. Abstracts Sect. B.* Science Abstracts. Section B. Electrical Engineering Abstracts. (London) (Continued as: *Electrical & Electronics Abstracts*)
- Sci. Amer.* Scientific American. (New York)
- Sci. Information Notes.* Scientific Information Notes. (Washington, D.C.)
- Sci. Papers College Gen. Ed. Univ. Tokyo.* Scientific Papers of the College of General Education. University of Tokyo. (Tokyo)
- Sci. Papers Inst. Phys. Chem. Res.* Scientific Papers of the Institute of Physical and Chemical Research. (Tokyo)
- Sci. Proc. Roy. Dublin Soc. Ser. A.* The Scientific Proceedings of the Royal Dublin Society. Series A. (Dublin)
- Sci. Proc. Roy. Dublin Soc. Ser. B.* The Scientific Proceedings of the Royal Dublin Society. Series B. (Dublin)
- Sci. Rep. Fac. Lib. Arts Ed. Gifu Univ. Natur. Sci.* Science Report of the Faculty of Liberal Arts and Education, Gifu University. (Natural Science). (Gifu)
- Sci. Rep. Fac. Lit. Sci. Hiroaki Univ.* Science Reports of the Faculty of Literature and Science. Hiroaki University. (Hiroaki) (Continued as: *Sci. Rep. Hiroaki Univ.*)
- Sci. Rep. Hiroaki Univ.* Science Reports of the Hiroaki University. (Hiroaki) (Formerly: *Sci. Rep. Fac. Lit. Sci. Hiroaki Univ.*)
- Sci. Rep. Kagoshima Univ.* Science Reports of the Kagoshima University. (Kagoshima)
- Sci. Rep. Kanazawa Univ.* The Science Reports of the Kanazawa University. (Kanazawa)
- Sci. Rep. Niigata Univ. Ser. A.* Science Reports of Niigata University. Series A (Mathematics). (Niigata)
- Sci. Rep. Res. Inst. Theoret. Phys. Hiroshima Univ.* Scientific Reports of the Research Institute for Theoretical Physics, Hiroshima University. (Hiroshima)
- Sci. Rep. Res. Inst. Tôhoku Univ. Ser. A.* The Science Reports of the Research Institutes. Tôhoku University. Series A (Physics, Chemistry and Metallurgy). (Sendai)
- Sci. Rep. Saitama Univ. Ser. A.* The Science Reports of the Saitama University. Series A. Mathematics, Physics and Chemistry. (Urawa)
- Sci. Rep. Tôhoku Univ. Ser. I.* The Science Reports of the Tôhoku University. First Series. (Physics, Chemistry, Astronomy). (Sendai)
- Sci. Rep. Tokyo Kyoiku Daigaku Sect. A.* Science Reports of the Tokyo Kyoiku Daigaku (Tokyo University of Education). Section A. (Tokyo)
- Sci. Rep. Yokohama Nat. Univ. Sect. I.* Science Reports of the Yokohama National University. Section I. Mathematics, Physics. (Yokohama)
- Sci. Sinica.* Scientia Sinica. (Peking)
- Scientia (Valparaiso).* Universidad Técnica Federico Santa Maria. Scientia. (Valparaiso)
- Scripta Math.* Scripta Mathematica. A Quarterly Journal Devoted to the Philosophy, History, and Expository Treatment of Mathematics. (New York)
- Shengxue Xuebao.* See *Acta Acust. Sinica*.
- Shuxue Jinzhan.* Chinese Mathematical Society. Academia Sinica. Shuxue Jinzhan (Progress in Mathematics). (Peking)
- SIAM J. Appl. Math.* SIAM Journal on Applied Mathematics. (Philadelphia, Pa.) (Formerly: *J. Soc. Indust. Appl. Math.*)
- SIAM J. Control.* SIAM Journal on Control. (Philadelphia, Pa.) (Formerly: *J. Soc. Indust. Appl. Math. Ser. A Control*)
- SIAM J. Numer. Anal.* SIAM Journal on Numerical Analysis. (Philadelphia, Pa.) (Formerly: *J. Soc. Indust. Appl. Math. Ser. B Numer. Anal.*)
- SIAM Rev.* SIAM Review. A Publication of the Society for Industrial and Applied Mathematics. (Philadelphia, Pa.)
- Sibirsk. Mat. Ž.* Akademija Nauk SSSR. Sibirskoe Otdelenie. Sibirskii Matematicheskii Zhurnal. (Moscow)
- Simon Stevin.* Simon Stevin. Wis- en Natuurkundig Tijdschrift. (Groningen-Djakarta)
- Skand. Aktuarietidskr.* Skandinavisk Aktuarietidskrift. (Uppsala)
- Skr. Norske Vid.-Akad. Oslo I.* Skrifter Utgitt av det Norske Videnskaps-Akademi i Oslo. I. Mat.-Naturv. Klasse. (Oslo)
- Smithsonian Contrib. to Astrophys.* Smithsonian Contributions to Astrophysics. (Washington, D.C.)
- Soc. Actuar. Trans.* Society of Actuaries. Transactions. (Chicago, Ill.)
- Soc. Parana. Mat. Anuário.* Anuário da Sociedade Paranaense de Matemática. (Curitiba)
- Soc. Sci. Fenn. Comment. Phys.-Math.* Societas Scientiarum Fennica. Commentationes Physico-Mathematicae. (Helsinki)
- Soobš. Akad. Nauk Gruzin. SSR.* Soobščenija Akademii Nauk Gruzinskoi SSR. (Tbilisi) See *Sakharth. SSR Mecn. Akad. Moambe*.
- Soviet Astronom. AJ.* Soviet Astronomy. AJ. (A translation of *Astronomicheskii Zhurnal* of the Academy of Sciences of the USSR). (New York) (Translation of *Astronom. Ž.*)
- Soviet J. Nuclear Phys.* American Institute of Physics. Soviet Journal of Nuclear Physics. (New York) (Translation of *Jadernaja Fiz.*)
- Soviet Math. Dokl.* Soviet Mathematics. Doklady. (A translation of the mathematics section of *Doklady Akademii Nauk SSSR*). (Providence, R.I.) (Translation of mathematics section of *Dokl. Akad. Nauk SSSR*)
- Soviet Physics Acoust.* Soviet Physics. Acoustics. (A translation of *Akusticheskii Zhurnal* of the Academy of Sciences of the USSR). (New York) (Translation of *Akust. Ž.*)
- Soviet Physics Cryst.* Soviet Physics. Crystallography. (A translation of the journal *Kristallografija* of the Academy of Sciences of the USSR). (New York) (Translation of *Kristallografija*)
- Soviet Physics Dokl.* Soviet Physics. Doklady. (A translation of the physics sections of *Doklady Akademii Nauk SSSR*). (New York) (Translation of physics sections of *Dokl. Akad. Nauk SSSR*)
- Soviet Physics JETP.* Soviet Physics. JETP. (A translation of *Ž. Eksperimental'noi i Teoreticheskoi Fiziki* of the USSR). (New York) (Translation of *Ž. Eksper. Teoret. Fiz.*)
- Soviet Physics Solid State.* Soviet Physics. Solid State. (A translation of the journal *Fizika Tverdogo Tela* of the Academy of Sciences of the USSR). (New York) (Translation of *Fiz. Tverd. Tela*)
- Soviet Physics Tech. Phys.* Soviet Physics. Technical Physics. (A translation of *Zhurnal Tekhnicheskoi Fiziki* of the Academy of Sciences of the USSR). (New York) (Translation of *Ž. Tehn. Fiz.*)

ABBREVIATIONS OF NAMES OF JOURNALS

- Soviet Physics Uspekhi.* Soviet Physics. Uspekhi. (A translation of *Uspehi Fizicheskikh Nauk* (Advances in the Physical Sciences) of the Academy of Sciences, U.S.S.R.). (New York) (Translation of *Uspehi Fiz. Nauk*)
- Soviet Radio Engng.* Soviet Radio Engineering. (A translation of *Izvestiya VUZ Radiotekhnika* of the Higher Educational Institute of the USSR). (New York) (Translation of *Izv. Vysf. Uchebn. Zaved. Radiotekhn.*)
- Soviet Radiophys.* Soviet Radiophysics. (A translation of the *Izvestiya Vysfikh Uchebnykh Zavedenii Radiofizika* of the Ministry of Higher Education of the USSR). (New York) (Translation of *Izv. Vysf. Uchebn. Zaved. Radiofizika*)
- Spisy Prirod. Fak. Univ. Brno.* Spisy Přírodovědecké Fakulty University v Brně. Trudy Estestvenno-Istoricheskogo Fakul'teta Universiteta v g. Brno. Publications de la Faculté des Sciences de l'Université à Brno. (Brno)
- Stanford Res. Inst. J.* Stanford Research Institute Journal. (Menlo Park, Calif.)
- Statist. Theory Method Abstracts.* Statistical Theory and Method Abstracts. (London)
- Statistica (Bologna).* Statistica. (Bologna)
- Statistica Neerlandica.* Statistica Neerlandica. Organ van de Vereniging voor Statistiek. (The Hague)
- Stroje na Zpracování Informací.* Československá Akademie Věd. Výzkumný Ústav Matematických Strojů. Research Institute of Mathematical Machines. Isledovatel'skii Institut Matematicheskikh Mashin. Stroje na Zpracování Informací. (Prague)
- Stud. Cerc. Fiz.* Studii și Cercetări de Fizică. (Bucharest)
- Stud. Cerc. Mat.* Studii și Cercetări Matematice. (Bucharest)
- Stud. Cerc. Mec. Apl.* Studii și Cercetări de Mecanică Aplicată. (Bucharest) (Formerly: *Acad. R. P. Romîne Stud. Cerc. Mec. Apl.*)
- Studia Logica.* Polska Akademia Nauk. Komitet Filozoficzny. Studia Logica. (Warsaw)
- Studia Math.* Polska Akademia Nauk. Studia Mathematica. (Warsaw)
- Studia Rev. Univ. del Atlántico.* Universidad del Atlántico. Studia Revista de la Universidad del Atlántico. (Barranquilla)
- Studia Sci. Math. Hungar.* Consilium Instituti Mathematici Academiae Scientiarum Hungaricae. Studia Scientiarum Mathematicarum Hungarica. (Budapest) (Formerly: *Magyar Tud. Akad. Mat. Kutató Int. Közl.*)
- Studia Univ. Babeş-Bolyai Ser. Math.-Phys.* Studia Universitatis Babeş-Bolyai. Series Mathematica-Physica. (Cluj)
- Sudhoffs Arch.* Sudhoffs Archiv für Geschichte der Medizin und der Naturwissenschaften. (Wiesbaden)
- Sûgaku.* Mathematical Society of Japan. Sûgaku (Mathematics). (Tokyo)
- Summa Brasil. Math.* Summa Brasiliensis Mathematicae. (Rio de Janeiro)
- Tartu Riikl. Ül. Toimetised.* Tartu Riikliku Ülikooli Toimetised. Uchenye Zapiski Tartuskogo Gosudarstvennogo Universiteta. Matematika-Loodusteaduskonna Tõid. Trudy Estestvenno-Matematicheskogo Fakulteta. (Tallin)
- Tashkent. Gos. Ped. Inst. Uchen. Zap.* Ministerstvo Prosveshcheniya Uzbekskoi SSR. Tashkentskii Gosudarstvennyi Pedagogicheskii Institut im. Nizami. Uchenye Zapiski. (Tashkent)
- Tashkent. Gos. Univ. Nauchn. Trudy.* Tashkentskii Gosudarstvennyi Universitet. Nauchnye Trudy. (Tashkent)
- Tashkent. Politehn. Inst. Nauchn. Trudy.* Ministerstvo Vyshego i Srednego Special'nogo Obrazovaniya. Tashkentskii Politehnicheskii Institut. Nauchnye Trudy. Novaya Seriya. (Tashkent)
- Tashkent. Tekstil. Inst. Kaf. Vysf. Mat. Sb. Nauchn.-Issled. Rabot Ser. Mat.* Tashkentskii Tekstil'nyi Institut. Kafedra Vyshef Matematiki. Sbornik Naučno-Issledovatel'skikh Rabot. Seriya Matematiki. (Tashkent)
- Tbilis. Gos. Univ. Trudy Ser. Fiz. Nauk.* Tbilisakii Gosudarstvennyi Universitet. Trudy. Seriya Fizicheskikh Nauk. (Tbilisi) See *Tbilis. Saĭelmc. Univ. Šrom. Fiz. Mecn. Ser.*
- Tbilis. Gos. Univ. Trudy Ser. Meh.-Mat. Nauk.* Tbilisakii Gosudarstvennyi Universitet. Trudy. Seriya Mehaniko-Matematicheskikh Nauk. (Tbilisi) See *Tbilis. Saĭelmc. Univ. Šrom. Mekh.-Math. Mecn. Ser.*
- Tech. Mitt. Krupp.* Technische Mitteilungen Krupp. (Essen)
- Tech. Moderne.* La Technique Moderne. (Paris)
- Tech. Rep. Osaka Univ.* Technology Reports of the Osaka University. (Osaka)
- Tech. Rep. Engng. Res. Inst. Kyoto Univ.* Technical Reports of the Engineering Research Institute. Kyoto University. (Kyoto)
- Tech. Transl.* Technical Translations. (Washington, D.C.)
- Technometrics.* Technometrics. A Journal of Statistics for the Physical, Chemical and Engineering Sciences. (Princeton, N.J.)
- Tellus.* Svenska Geofysiska Föreningen. Tellus. A Quarterly Journal of Geophysics. (Uppsala)
- Tensor.* Tensor. New Series. The Tensor Society. (Sapporo)
- Teor. Funkcii Funkcional. Anal. i Prilozhen.* Har'kovskii Ordena Trudovogo Krasnogo Znameni Gosudarstvennyi Universitet imeni A. M. Gor'kogo. Teoriya Funkcii, Funkcional'nyi Analiz i ih Prilozheniya. (Kharkov)
- Teor. Veroyatnost. i Primenen.* Akademija Nauk SSSR. Teoriya Veroyatnostei i ee Primeneniya. (Moscow) (Translated as: *Theor. Probability Appl.*)
- Teoret. Elektrotehn.* L'vovskii Gosudarstvennyi Universitet. Teoreticheskaja Elektrotehnika. (Lvov)
- Teoret. Prikl. Mat.* MVSSO URSR L'vivskii Ordena Lenina Derzhavnyi Universitet im. Iv. Franka. Teoretichna i Prikladna Matematika. (Lvov)
- Thalès.* Thalès. Recueil Annuel des Travaux de l'Institut d'Histoire des Sciences et des Techniques de l'Université de Paris. (Paris)
- Tbilis. Saĭelmc. Univ. Šrom. Mekh.-Math. Mecn. Ser.* Tbilisakii Saĭelmcipho Universiteti. Šromebi. Mekhanika-Matematiki Mecnierebatha Seria. (Tbilisi) (Formerly listed as: *Tbilis. Gos. Univ. Trudy Ser. Meh.-Mat. Nauk*)
- Tbilis. Saĭelmc. Univ. Šrom. Fiz. Mecn. Ser.* Tbilisakii Saĭelmcipho Universiteti. Šromebi. Fiziki Mecnierebatha Seria. (Tbilisi) (Formerly listed as: *Tbilis. Gos. Univ. Trudy Ser. Fiz. Nauk*)
- Theor. Probability Appl.* Theory of Probability and its Applications. (An English translation of the Soviet journal *Teoriya Veroyatnostei i ee Primeneniya*). (Philadelphia, Pa.) (Translation of *Teor. Veroyatnost. i Primenen.*)
- Theoria (Lund).* Theoria. A Swedish Journal of Philosophy and Psychology. (Lund)
- Tjumen. Gos. Ped. Inst. Uchen. Zap.* Ministerstvo Prosveshcheniya RSFSR. Tjumen'skii Gosudarstvennyi Pedagogicheskii Institut. Uchenye Zapiski. (Tyumen)
- Tôhoku Math. J.* The Tôhoku Mathematical Journal. (Sendai)
- Tomsk. Gos. Univ. Uchen. Zap.* Tomskii Gosudarstvennyi Universitet im. V. V. Kulbyševa. Uchenye Zapiski. (Tomsk)
- Topology.* Topology. An International Journal of Mathematics. (Oxford)
- Trabajos Estadist.* Trabajos de Estadística. (Madrid)
- Trans. Amer. Math. Soc.* Transactions of the American Mathematical Society. (Providence, R.I.)
- Trans. Amer. Philos. Soc.* Transactions of the American Philosophical Society Held at Philadelphia for Promoting Useful Knowledge. (Philadelphia, Pa.)
- Trans. ASME Ser. B. J. Engng. Indust.* Transactions of the ASME. Series B. Journal of Engineering for Industry. (New York)

- Trans. ASME Ser. E. J. Appl. Mech.* Transactions of the ASME. Series E. Journal of Applied Mechanics. (New York)
- Trans. Faraday Soc.* Transactions of the Faraday Society. (London)
- Trans. Moscow Math. Soc.* Transactions of the Moscow Mathematical Society. (Providence, R.I.) (Translation of *Trudy Moskov. Mat. Obšč.*)
- Trans. New York Acad. Sci.* Transactions of the New York Academy of Sciences. (New York)
- Trans. Roy. Soc. Edinburgh.* Transactions of the Royal Society of Edinburgh. (Edinburgh)
- Trans. Roy. Soc. New Zealand General.* Transactions of the Royal Society of New Zealand. General. (Wellington)
- Trans. Roy. Soc. South Africa.* Transactions of the Royal Society of South Africa. (Cape Town)
- Trav. Soc. Sci. Lett. Wrocław Ser. B.* Travaux de la Société des Sciences et des Lettres de Wrocław. Série B. (Wrocław)
- Trudy Akad. Nauk Litov. SSR Ser. B.* Lietuvos TSR Mokslų Akademijos. Darbai. Serija B. Akademii Nauk Litovskoi SSR Trudy. Serija B. (Vilna)
- Trudy Fiz. Inst. Lebedev.* Akademija Nauk SSSR. Trudy Fizicheskogo Instituta im. P. N. Lebedeva. (Moscow)
- Trudy Geometr. Sem.* Akademija Nauk SSSR. Institut Naučnoi Informacii. VINITI. Trudy Geometričeskogo Seminara. (Moscow)
- Trudy Inst. Istor. Estest. Tehn.* Akademija Nauk SSSR. Trudy Instituta Istorii Estestvoznaniia i Tehniki. (Moscow)
- Trudy Inst. Teoret. Astronom.* Akademija Nauk SSSR. Trudy Instituta Teoretičeskoi Astronomii. (Moscow)
- Trudy Kazan. Aviacion. Inst.* Trudy Kazanskogo Aviacionnogo Instituta. Matematika i Mehanika. (Kazan)
- Trudy Leningrad. Tehn. Inst. Trudy Kafedr Meh. Fak.* Ministerstvo Vysshego Obrazovaniia SSSR. Trudy Leningradskogo Tehnologičeskogo Instituta imeni Lensovetu. Trudy Kafedr Mehanicheskogo Fakul'teta. (Leningrad)
- Trudy Mat. Inst. Steklov.* Akademija Nauk Sojuza Sovetskikh Socialističeskikh Respublik. Trudy Matematicheskogo Instituta im. V. A. Steklova. (Moscow-Leningrad) (Translated as: *Proc. Steklov Inst. Math.*)
- Trudy Moskov. Mat. Obšč.* Trudy Moskovskogo Matematicheskogo Obščestva. (Moscow) (Translated as: *Trans. Moscow Math. Soc.*)
- Trudy Moskov. Orden. Lenin. Ėnerget. Inst.* Ministerstvo Vysshego i Srednego Special'nogo Obrazovaniia RSFSR. Trudy Moskovskogo Ordena Lenina Ėnergetičeskogo Instituta. (Moscow)
- Trudy Samarkand. Gos. Univ. Mat.* Ministerstvo Vysshego i Srednego Special'nogo Obrazovaniia UzSSR. Trudy Samarkandskogo Gosudarstvennogo Universiteta im. A. Navoi. Matematika. (Samarkand)
- Trudy Sem. Obratn. Kraev. Zadacham.* Trudy Seminara po Obratnym Kraevym Zadacham. (Kazan)
- Trudy Sem. Teor. Differencial. Uravnenii s Otklon. Argumentom Univ. Družby Narodov Patrisa Lumumby.* Trudy Seminara po Teorii Differencial'nykh Uravnenii s Otklonjajuščimaja Argumentom. Universitet Družby Narodov imeni Patrisa Lumumby. (Moscow)
- Trudy Sem. Vektor. Tensor. Anal.* Trudy Seminara po Vektornomu i Tenzornomu Analizu s ih Priloženijami k Geometrii, Mehaniki i Fiziki. (Moscow)
- Trudy Tashkent. Gos. Univ.* Trudy Tashkentakogo Gosudarstvennogo Universiteta im. V. I. Lenina. Matematika. (Tashkent) See *Tashkent. Gos. Univ. Naučn. Trudy.*
- Trudy Tomsk. Gos. Univ. Ser. Meh.-Mat.* Trudy Tomskogo Gosudarstvennogo Universiteta im. V. V. Kulbyševa. Serija Mehaniko-Matematičeskaja. (Tomsk)
- Trudy Vyčisl. Centra Akad. Nauk Gruzin. SSR.* Akademija Nauk Gruzinskoi SSR. Trudy Vyčislitel'nogo Centra. (Tbilisi) See *Sakharth. SSR Mecn. Akad. Gamotvel. Centr. Šrom.*
- Turkmen. Gos. Univ. Učen. Zap.* Ministerstvo Narodnogo Obrazovaniia TSSR. Turkmenkil Gosudarstvennyĭ Universitet imeni A. M. Gor'kogo. Učenyje Zapiski. (Ashkhabad)
- U.S.S.R. Comput. Math. and Math. Phys.* U.S.S.R. Computational Mathematics and Mathematical Physics. (Oxford) (Translation of *Ž. Vyčisl. Mat. i Mat. Fiz.*)
- Učen. Zap. Borisoglebsk. Gos. Ped. Inst.* Ministerstvo Prosveščeniia RSFSR. Učenyje Zapiski. Borisoglebskogo Gosudarstvennogo Pedagogičeskogo Instituta. (Borisoglebsk)
- Učen. Zap. Karel. Ped. Inst. Ser. Fiz.-Mat. Nauk.* Ministerstvo Prosveščeniia RSFSR. Karel'skil Pedagogičeskil Institut. Učenyje Zapiski. Serija Fiziko-Matematičeskikh Nauk. (Petrozavodsk)
- Ukrain. Fiz. Ž.* Akademija Nauk Ukrainskoi RSR. Viddil Fiziki. Ukrainskil Fizičnil Žurnal. (Russian and Ukrainian editions) (Kiev)
- Ukrain. Mat. Ž.* Akademija Nauk Ukrainskoi SSR. Institut Matematiki. Ukrainkil Matematičeskil Žurnal. (Kiev)
- Univ. Beograd. Publ. Elektrotehn. Fak. Ser. Mat. Fiz.* Universitet u Beogradu. Publikacije Elektrotehničkog Fakulteta. Serija Matematika i Fizika. (Belgrade)
- Univ. Buenos Aires Contrib. Ci. Ser. Fis.* Universidad de Buenos Aires. Facultad de Ciencias Exactas, Físicas y Naturales. Contribuciones Científicas. Serie Física. (Buenos Aires)
- Univ. Buenos Aires Contrib. Ci. Ser. Mat.* Universidad de Buenos Aires. Facultad de Ciencias Exactas y Naturales. Contribuciones Científicas. Serie Matemática. (Buenos Aires)
- Univ. Central Venezuela Bol. Fac. Ing.* Universidad Central de Venezuela. Boletín de la Facultad de Ingeniería. (Caracas)
- Univ. e Politec. Torino Rend. Sem. Mat.* Università e Politecnico di Torino. Rendiconti del Seminario Matematico (già "Conferenze di Fisica e di Matematica"). (Turin)
- Univ. Illinois Bull. Engrg. Exper. Station Bull.* University of Illinois. Bulletin. Engineering Experiment Station Bulletin. (Urbana, Ill.)
- Univ. Lisboa Revista Fac. Ci. A.* Universidade de Lisboa. Revista da Faculdade de Ciências. 2.ª Série. A. Ciências Matemáticas. (Lisbon)
- Univ. Madrid Publ. Sec. Mat. Fac. Ci.* Universidad de Madrid. Publicaciones de la Sección de Matemática de la Facultad de Ciencias. (Madrid)
- Univ. Nac. Ingen. Inst. Mat. Puras Apl. Notas Mat.* Universidad Nacional de Ingeniería. Instituto de Matemáticas Puras y Aplicadas. Notas de Matemáticas. (Lima)
- Univ. Nac. La Plata Publ. Fac. Ci. Fisicomat. Serie Segunda Rev. (or Contrib.)* Universidad Nacional de La Plata. Publicaciones de la Facultad de Ciencias Fisicomatemáticas. Serie Segunda. Revista (or Contribuciones). (La Plata)
- Univ. Nac. La Plata Publ. Fac. Ci. Fisicomat. Serie Tercera Publ. Esp.* Universidad Nacional de La Plata. Publicaciones de la Facultad de Ciencias Fisicomatemáticas. Serie Tercera. Publicaciones Especiales. (La Plata)
- Univ. Nac. Tucumán Rev. Ser. A.* Universidad Nacional de Tucumán. Facultad de Ciencias Exactas y Tecnología. Revista. Serie A. Matemáticas y Física Teórica. (Tucumán)
- Univ. Repúb. Fac. Ingen. Agrimens. Montevideo Publ. Inst. Mat. Estadist.* Universidad de la República. Facultad de Ingeniería y Agrimensura. Montevideo-Uruguay. Publicaciones del Instituto de Matemática y Estadística. (Montevideo)
- Univ. Roorkee Res. J.* University of Roorkee. Research Journal. (Roorkee)
- Univ. Adama Mickiewicza w Poznaniu. Prace Wydz. Mat. Fiz. Chem. Ser. Mat.* Uniwersytet im. Adama Mickiewicza w Poznaniu. Prace Wydziału Matematyki, Fizyki i Chemii. Seria Matematyka. (Poznań)
- Unternehmensforschung.* Unternehmensforschung. Operations Research—Recherche Opérationnelle. (Würzburg)

ABBREVIATIONS OF NAMES OF JOURNALS

- Ural. Gos. Univ. Mat. Zap.* Ministerstvo Vysshego i Srednego Special'nogo Obrazovaniya RSFSR. Ural'skii Gosudarstvennyi Universitet im. A. M. Gor'kogo. Ural'skoe Matematicheskoe Obshchestvo. Matematicheskie Zapiski. (Sverdlovsk)
- Ural. Politehn. Inst. Sb.* Ministerstvo Prosveshcheniya RSFSR. Ural'skii Politehnicheskii Institut im. S. M. Kirova. Sbornik. (Sverdlovsk)
- Uspehi Fiz. Nauk.* Akademiya Nauk SSSR. Uspehi Fizicheskikh Nauk. (Moscow-Leningrad) (Translated as: *Soviet Physics Uspekhi*)
- Uspehi Mat. Nauk.* Akademiya Nauk SSSR i Moskovskoe Matematicheskoe Obshchestvo. Uspehi Matematicheskikh Nauk. (Moscow-Leningrad) (Selected articles translated as: *Russian Math. Surveys*)
- Uzgorod. Gos. Univ. Nauchn. Zap.* MVO USSR. Uzgorodskii Gosudarstvennyi Universitet. Nauчныe Zapiski. (Lvov)
- V. I. Lenin. Sakharth. Politekh. Inst. Šrom.* V. I. Leninis Sahelobia Šromis Githeli Drošis Ordenosani Sakharthvelos Politehnikuri Instituti. Šromebi. (Tbilisi) (Formerly listed as: *Gruzian. Politehn. Inst. Trudy*)
- Verh. Nederl. Akad. Wetensch. Afd. Natuurk. Sect. I.* Verhandelingen der Koninklijke Nederlandse Akademie van Wetenschappen, Afdeling Natuurkunde. Eerste Sectie. (Amsterdam)
- Vesci Akad. Navuk BSSR Ser. Fiz.-Mat. Navuk.* Vesci Akademii Navuk BSSR. Seryja Fizika-matematyčnyh Navuk. (Minsk)
- Vesci Akad. Navuk BSSR Ser. Fiz.-Tehn. Navuk.* Vesci Akademii Navuk BSSR. Seryja Fizika-Tehničnyh Navuk. (Minsk)
- Vestnik Akad. Nauk Kazah. SSR.* Vestnik Akademii Nauk Kazahskoi SSR. (Alma-Ata)
- Vestnik Har'kov. Gos. Univ.* Ministerstvo Vysshego i Srednego Special'nogo Obrazovaniya USSR. Vestnik Har'kovskogo Gosudarstvennogo Universita. Serija Mehaniko-Matematičeskaja. Zapiski Mehaniko-Matematičeskogo Fakulteta i Har'kovskogo Matematičeskogo Obshchestva. (Kharkov)
- Vestnik Leningrad. Univ.* Vestnik Leningradskogo Universiteta. (Leningrad)
- Vestnik L'vov. Politehn. Inst.* Ministerstvo Vysshego i Srednego Special'nogo Obrazovaniya USSR. Vestnik L'vovskogo Politehnicheskogo Instituta. (Lvov)
- Vestnik Moskov. Univ. Ser. I Mat. Meh.* Vestnik Moskovskogo Universiteta. Serija I. Matematika, Mehanika. (Moscow)
- Vestnik Moskov. Univ. Ser. III Fiz. Astronom.* Vestnik Moskovskogo Universiteta. Serija III. Fizika, Astronomija. (Moscow) (Translated as: *Moscow Univ. Bull. Ser. III Phys. Astronom.*)
- Vidya.* Vidya (Knowledge). The Journal of the Gujarat University. (Ahmedabad)
- Vierteljahr. Naturforsch. Ges. Zürich.* Vierteljahrsschrift der Naturforschenden Gesellschaft in Zürich. (Zürich)
- Vijnana Parishad Anusandhan Patrika.* Vijnana Parishad Anusandhan Patrika [The Research Journal of the Hindi Science Academy]. (Allahabad)
- Virginia J. Sci.* The Virginia Journal of Science. A Journal issued Quarterly by the Virginia Academy of Science. (Blacksburg, Va.)
- Visnik Kiŭv. Univ.* Visnik Kiŭv'skogo Universitetu. (Kiev)
- Visnik L'viv. Derž. Univ. Ser. Meh.-Mat.* Ministerstvo Viščoi i Srednoi Special'noi Osviti URSR. Visnik L'viv'skogo Ordena Lenina Deržavnogo Universitetu im. Ivana Franka. (Lvov)
- Volž. Mat. Sb.* Ministerstvo Prosveshcheniya RSFSR. Kuibyshevskii Gosudarstvennyi Pedagogičeskii Institut imeni V. V. Kuibysheva. Volžskii Matematičeskii Sbornik. (Kuibyshev)
- Voprosy Kosmog.* Akademiya Nauk SSSR. Voprosy Kosmogonii. (Moscow)
- Voprosy Vyčisl. Mat. Tehn.* Akademiya Nauk Uzbekskoi SSR. Institut Mehaniki i Vyčislitel'nyi Centr. Voprosy Vyčislitel'noi Matematiki i Tehniki. (Tashkent)
- Vyčisl. Mat. (Kiev).* Kievskii Gosudarstvennyi Universitet. Kafedra Vyčislitel'noi Matematiki. Vyčislitel'naja Matematika. (Kiev)
- Vyčisl. Sistemy.* Akademiya Nauk SSSR. Sibirskoe Otdelenie. Institut Matematiki. Vyčislitel'nye Sistemy. Sbornik Trudov. (Novosibirsk)
- Vyčisl. Tehn. Voprosy Programm.* Leningradskii Ordena Lenina Gosudarstvennyi Universitet imeni A. A. Zdanova. Kafedra Vyčislitel'noi Matematiki i Vyčislitel'nyi Centr. Vyčislitel'naja Tehnika i Voprosy Programirovaniya. (Leningrad)
- Wiadom. Mat. Roczniki Polskiego Towarzystwa Matematycznego. Ser. II.* Wiadomości Matematyczne. (Warsaw)
- Wiss. Z. Ernst-Moritz-Arndt-Univ. Greifswald Math.-Natur. Reihe.* Wissenschaftliche Zeitschrift der Ernst-Moritz-Arndt-Universität Greifswald. Mathematisch-Naturwissenschaftliche Reihe. (Greifswald)
- Wiss. Z. Friedrich-Schiller-Univ. Jena/Thüringen.* Wissenschaftliche Zeitschrift der Friedrich-Schiller-Universität Jena/Thüringen. (Jena/Thüringen)
- Wiss. Z. Hochsch. Architektur Bauwesen Weimar.* Wissenschaftliche Zeitschrift der Hochschule für Architektur und Bauwesen Weimar. (Weimar)
- Wiss. Z. Hochsch. Maschin. Karl-Marx-Stadt.* Wissenschaftliche Zeitschrift der Hochschule für Maschinenbau Karl-Marx-Stadt. (Karl-Marx-Stadt)
- Wiss. Z. Hochsch. Verkehrswesen "Friedrich List" Dresden.* Wissenschaftliche Zeitschrift der Hochschule für Verkehrswesen "Friedrich List" in Dresden. Die Anwendung mathematischer Methoden im Transport- und Nachrichtenwesen. (Dresden)
- Wiss. Z. Humboldt-Univ. Berlin Math.-Natur. Reihe.* Wissenschaftliche Zeitschrift der Humboldt-Universität Berlin. Mathematisch-Naturwissenschaftliche Reihe. (Berlin)
- Wiss. Z. Karl-Marx-Univ. Leipzig Math.-Natur. Reihe.* Wissenschaftliche Zeitschrift der Karl-Marx-Universität Leipzig. Mathematisch-Naturwissenschaftliche Reihe. (Leipzig)
- Wiss. Z. Martin-Luther-Univ. Halle-Wittenberg Math.-Natur. Reihe.* Wissenschaftliche Zeitschrift der Martin-Luther-Universität Halle-Wittenberg. Mathematisch-Naturwissenschaftliche Reihe. (Halle-Wittenberg)
- Wiss. Z. Pädagog. Hochsch. Potsdam Math.-Natur. Reihe.* Wissenschaftliche Zeitschrift der Pädagogischen Hochschule Potsdam. Mathematisch-Naturwissenschaftliche Reihe. (Potsdam)
- Wiss. Z. Techn. Hochsch. Chem. Leuna-Merseburg.* Wissenschaftliche Zeitschrift der Technischen Hochschule für Chemie Leuna-Merseburg. (Leuna-Merseburg)
- Wiss. Z. Techn. Hochsch. Ilmenau.* Wissenschaftliche Zeitschrift der Technischen Hochschule Ilmenau. (Ilmenau)
- Wiss. Z. Techn. Univ. Dresden.* Wissenschaftliche Zeitschrift der Technischen Universität Dresden. (Dresden)
- Yokohama Math. J.* Yokohama Mathematical Journal. (Yokohama)
- Z. Angew. Math. Mech.* Zeitschrift für Angewandte Mathematik und Mechanik. Ingenieurwissenschaftliche Forschungsarbeiten. (Berlin)
- Z. Angew. Math. Phys.* Zeitschrift für Angewandte Mathematik und Physik. ZAMP. Journal of Applied Mathematics and Physics. Journal de Mathématiques et de Physiques Appliquées. (Basel)
- Z. Angew. Phys.* Zeitschrift für Angewandte Physik. (Berlin)
- Z. Astrophys.* Zeitschrift für Astrophysik. (Berlin-Göttingen-Heidelberg)
- Z. Èksp. Teoret. Fiz. Akademiya Nauk SSSR. Žurnal Èksperimental'noi i Teoretičeskoi Fiziki. (Moscow)* (Translated as: *Soviet Physics JETP*)
- Z. Flugwiss.* Zeitschrift für Flugwissenschaften. (Braunschweig)
- Z. Math. Logik Grundlagen Math.* Zeitschrift für Mathematische Logik und Grundlagen der Mathematik. (Berlin)
- Z. Meteorol.* Zeitschrift für Meteorologie. (Berlin)

ABBREVIATIONS OF NAMES OF JOURNALS

- Z. Naturforsch.* Zeitschrift für Naturforschung. (Tübingen)
- Z. Phonetik Sprachwiss. Kommunikat.* Zeitschrift für Phonetik Sprachwissenschaft und Kommunikationsforschung. (Berlin)
- Z. Physik.* Zeitschrift für Physik. (Berlin-Göttingen-Heidelberg)
- Ž. Prikl. Meh. i Tehn. Fiz.* Žurnal Prikladnoi Mehaniki i Tehničeskoj Fiziki. (Moscow) (Formerly: *PMFT Ž. Prikl. Meh. i Tehn. Fiz.*)
- Ž. Tehn. Fiz.* Akademija Nauk SSSR. Žurnal Tehničeskoj Fiziki. (Moscow-Leningrad) (Translated as: *Soviet Physics Tech. Phys.*)
- Ž. Vyčisl. Mat. i Mat. Fiz.* Akademija Nauk SSSR. Žurnal Vyčislitel'noj Matematiki i Matematičeskoj Fiziki. (Moscow) (Translated as: *U.S.S.R. Comput. Math. and Math. Phys.*)
- Z. Wahrscheinlichkeitstheorie und Verw. Gebiete.* Zeitschrift für Wahrscheinlichkeitstheorie und Verwandte Gebiete. (Berlin)
- Zap. Meh.-Mat. Fak. i Har'kov. Mat. Obšč.* See *Vestnik Har'kov. Gos. Univ.*
- Zastos. Mat.* Polska Akademia Nauk. Instytut Matematyczny. Zastosowania Matematyki. (Warsaw)
- Zbl.* Zentralblatt für Mathematik und ihre Grenzgebiete. (Berlin-Göttingen-Heidelberg)
- Zbl. Math.* Zentralblatt für Mathematik und ihre Grenzgebiete. (Berlin-Göttingen-Heidelberg) (Usually abbreviated *Zbl* in the text of *Math. Reviews*)
- Zeszyty Nauk. Politech. Warszawsk. Mat.* Politechnika Warszawska. Instytut Matematyki. Zeszyty Naukowe. Matematyka i jej Zastosowanie. (Warsaw)
- Zeszyty Nauk. Univ. Jagiello. Prace Fiz.* Zeszyty Naukowe Uniwersytetu Jagiellońskiego. Prace Fizyczne. (Cracow)
- Zeszyty Nauk. Univ. Jagiello. Prace Mat.* Zeszyty Naukowe Uniwersytetu Jagiellońskiego. Prace Matematyczne. (Matematyka, Fizyka, Chemia) (Kraków)
- Zeszyty Nauk. Univ. Łódź. Nauki Mat. Przyrod. Ser. II.* Zeszyty Naukowe Uniwersytetu Łódzkiego. Nauki Matematyczno Przyrodnicze. Seria II. (Łódź)
- ŽĖTF Pis'ma.* Akademija Nauk SSSR. ŽĖTF. Pis'ma v Redakciju. (Moscow) (Translated as *JETP Lett.*)
- Zhongguo Kexue Jishu Daxue Xuebao.* (Peking) See *J. China Univ. Sci. Techn.*

JOURNALS IN TRANSLATION

- Acta Mech. Sinica* (New York). *Acta Mechanica Sinica*. (New York) (Translation of *Acta Mech. Sinica* (Peking))
- Astrophysics*. *Astrophysics*. (A translation of *Astrofizika* of the Academy of Sciences of the Armenian SSR). (New York) (Translation of *Astrofizika*)
- Automat. Remote Control*. *Automation and Remote Control*. (A translation of *Avtomatika i Telemekhanika*, a publication of the Academy of Sciences of the USSR). (Pittsburgh, Pa.) (Translation of *Avtomat. i Telemekh.*)
- Chinese J. Phys. (Peking)* *Chinese Journal of Physics* (Peking). (A translation of *Acta Physica Sinica* of the Chinese Academy of Sciences, Peking). (New York) (Translation of *Acta Phys. Sinica*)
- Chinese Math.—Acta*. *Chinese Mathematics*. Translation of *Acta Mathematica Sinica*. (Providence, R.I.) (Translation of *Acta Math. Sinica*)
- Cosmic Research*. *Cosmic Research*. (A translation of *Kosmicheskie Issledovaniya* of the Academy of Sciences of the USSR). (New York) (Translation of *Kosmič. Issled.*)
- Cybernetics*. *Cybernetics*. (New York) (A translation of *Kibernetika* (Kiev))
- Differential Equations*. *Differential Equations*. (New York) (Translation of *Differentsial'nye Uravneniya*)
- Electrical Engrg. Japan*. *Institute of Electrical and Electronics Engineers*. *Electrical Engineering in Japan*. (A translation of *Denki Gakkai Zasshi* of the Institute of Electrical Engineers of Japan). (New York) (Translation of *Denki Gakkai Zasshi*)
- Electron. Commun. Japan*. *Institute of Electrical and Electronics Engineers*. *Electronics and Communications in Japan*. (A translation of *Denki Tsushin Gakkai Zasshi* of the Institute of Electrical Communication Engineers of Japan). (New York) (Translation of *Denki Tsushin Gakkai Zasshi*)
- Engrg. Cybernetics*. *Engineering Cybernetics*. English Edition of *Tekhnicheskaja Kibernetika*. (New York) (Translation of *Izv. Akad. Nauk SSSR Tehn. Kibernet.*)
- Izv. Acad. Sci. USSR Atmospher. Ocean. Phys.* *Izvestiya Academy of Sciences USSR. Atmospheric and Oceanic Physics*. (Washington, D.C.) (Translation of *Izv. Akad. Nauk SSSR Ser. Fiz. Atmosfer. i Okeana*)
- Izv. Acad. Sci. USSR Phys. Solid Earth*. *Izvestiya Academy of Sciences USSR. Physics of the Solid Earth*. (Washington, D.C.) (Translation of *Izv. Akad. Nauk SSSR Ser. Fiz. Zemli*)
- J. Appl. Math. Mech.* *Journal of Applied Mathematics and Mechanics*. (Translation of the Soviet journal *Prikladnaja Matematika i Mekhanika*). (New York) (Translation of *Prikl. Mat. Meh.*)
- JETP Lett.* *JETP Letters*. (A translation of *JETP [ŽÉTF] Pis'ma v Redaktsiju [Redaktsiju]* of the Academy of Sciences of the USSR). (New York) (Translation of *ŽÉTF Pis'ma*)
- Magnetohydrodynamics*. *Magnetohydrodynamics*. (A translation of *Magnitnaya Gidrodinamika* of the Academy of Sciences of the Latvian SSR). (New York) (Translation of *Magnit. Gidrodinamika*)
- Moscow Univ. Bull. Ser. III Phys. Astronom.* *Moscow University. Moscow University Bulletin. Series III. Physics and Astronomy*. (Acton, Mass.) (Translation of *Vestnik Moskov. Univ. Ser. III Fiz. Astronom.*)
- Probleme der Kybernetik*. *Probleme der Kybernetik*. (Berlin) (Translation of *Problemy Kibernet.*)
- Proc. Steklov Inst. Math.* *Proceedings of the Steklov Institute of Mathematics*. (Providence, R.I.) (Translation of *Trudy Mat. Inst. Steklov.*)
- Radio Engrg. Electron. Phys.* *Radio Engineering and Electronic Physics*. (Translation of *Radiotekhnika i Elektronika*, a U.S.S.R. Academy of Sciences Publication). (New York) (Translation of *Radiotekhn. i Elektron.*)
- Russian Math. Surveys*. *Russian Mathematical Surveys*. (A translation of the survey articles and of selected biographical articles in *Uspehi Matematicheskikh Nauk*). (London) (Translation of *Uspehi Mat. Nauk*)
- Soviet Astronom. AJ.* *Soviet Astronomy. AJ.* (A translation of *Astronomicheskij Zhurnal* of the Academy of Sciences of the USSR). (New York) (Translation of *Astronom. Zh.*)
- Soviet J. Nuclear Phys.* *American Institute of Physics. Soviet Journal of Nuclear Physics*. (New York) (Translation of *Jadernaja Fiz.*)
- Soviet Math. Dokl.* *Soviet Mathematics. Doklady*. (A translation of the mathematics section of *Doklady Akademii Nauk SSSR*). (Providence, R.I.) (Translation of mathematics section of *Dokl. Akad. Nauk SSSR*)
- Soviet Physics Acoust.* *Soviet Physics. Acoustics*. (A translation of *Akusticheskij Zhurnal* of the Academy of Sciences of the USSR). (New York) (Translation of *Akust. Zh.*)
- Soviet Physics Cryst.* *Soviet Physics. Crystallography*. (A translation of the journal *Kristallografiya* of the Academy of Sciences of the USSR). (New York) (Translation of *Kristallografiya*)
- Soviet Physics Dokl.* *Soviet Physics. Doklady*. (A translation of the physics sections of *Doklady Akademii Nauk SSSR*). (New York) (Translation of physics sections of *Dokl. Akad. Nauk SSSR*)
- Soviet Physics JETP*. *Soviet Physics. JETP*. (A translation of *Ž. Eksperimental'noi i Teoreticheskoi Fiziki* of the USSR). (New York) (Translation of *Ž. Eksper. Teoret. Fiz.*)
- Soviet Physics Solid State*. *Soviet Physics. Solid State*. (A translation of the journal *Fizika Tverdogo Tela* of the Academy of Sciences of the USSR). (New York) (Translation of *Fiz. Tverd. Tela*)
- Soviet Physics Tech. Phys.* *Soviet Physics. Technical Physics*. (A translation of *Zhurnal Tekhnicheskoi Fiziki* of the Academy of Sciences of the USSR). (New York) (Translation of *Ž. Tehn. Fiz.*)
- Soviet Physics Uspekhi*. *Soviet Physics. Uspekhi*. (A translation of *Uspehi Fizicheskikh Nauk* (Advances in the Physical Sciences) of the Academy of Sciences, U.S.S.R.). (New York) (Translation of *Uspehi Fiz. Nauk*)
- Soviet Radio Engrg.* *Soviet Radio Engineering*. (A translation of *Izvestiya VUZ Radiotekhnika* of the Higher Educational Institute of the USSR). (New York) (Translation of *Izv. Vysš. Učebn. Zaved. Radiotekhn.*)
- Soviet Radiophys.* *Soviet Radiophysics*. (A translation of the *Izvestiya Vysšikh Učebnykh Zavedenij. Radiofizika* of the Ministry of Higher Education of the USSR). (New York) (Translation of *Izv. Vysš. Učebn. Zaved. Radiofizika*)
- Theor. Probability Appl.* *Theory of Probability and its Applications*. (An English translation of the Soviet journal *Teoriya Veroyatnostei i ee Primeneniya*). (Philadelphia, Pa.) (Translation of *Teor. Veroyatnost. i Primenen.*)
- Trans. Moscow Math. Soc.* *Transactions of the Moscow Mathematical Society*. (Providence, R.I.) (Translation of *Trudy Moskov. Mat. Obšč.*)
- U.S.S.R. Comput. Math. and Math. Phys.* *U.S.S.R. Computational Mathematics and Mathematical Physics*. (Oxford) (Translation of *Ž. Vyčisl. Mat. i Mat. Fiz.*)

ERRATA AND ADDENDA

VOLUME 27

Index for Volume 27

On p. 1327, replace **Levine, J.** by **Levine, Jerome P.**
Also, delete 6644 and place it after a new entry, for Jack Levine.

VOLUME 28

#3324: **Gel'fand, I. M.; Graev, M. I.; Vilenkin, N. Ja.**

In the title, replace "distributions" by "representations".

#3967: **Bernstein, Leon**

This review should be deleted and replaced by MR 29 #5786.

Index for Volume 28

On p. 1157, in **Gel'fand, I. M. 3324**, the last word should be "representations". Similarly, for **Graev, M. I.**, on p. 1160, and **Vilenkin, N. Ja.**, on p. 1215. On p. 1139, delete the entry for Leon Bernstein.

VOLUME 29

#4093: **Ikeda, Nobuyuki; Ueno, Tadashi; Tanaka, Hiroshi; Satô, Kenkichi**

After the last name, insert [Sato, Keniti].

Index for Volume 29

On p. 1388, move the entry after **Satô, Kenkichi** to **Sato, Keniti** and replace it by "see Sato, Keniti".

VOLUME 30

Index for Volume 30

On p. 1132, replace **Levine, J.** by **Levine, Jerome P.**

VOLUME 31

#3810: **Torošeliidze, I. A.**

Delete initial A. from author's name.

#3843: **Waelbroeck, L.**

In heading, insert "fasc. 1," before the paging.

#6104: **Torošeliidze, A. I.**

Delete initial A. from author's name.

Index for Volume 31

On p. 1259, replace **Levine, J.** by **Levine, Jerome P.** Also, delete #1633 and place it after a new entry, for Jack Levine. On p. 1212, the entries for **Arnold, Vladimir** should be combined with those under **Arnol'd, V. I.** On p. 1298, change **Torošeliidze, A. I.** to **Torošeliidze, I.**

VOLUME 32

#320: **Wainger, Stephen**

In der ersten Spalte, 11. Zeile von unten, muß es statt "wenn die Rücktransformierte" richtig "wann die Rücktransformierte" heißen.

In der zweiten Spalte oben muß es statt "auf den mehrdimensionalen Fall wird bewiesen:" richtig "wird gezeigt, daß die Bedingungen, unter denen $|n|^{-b} \exp(2\pi i|n|^a)$ mit $0 < a < 1$, $b < \frac{1}{2}a$ ein bzw. kein sogenannter Multiplikator in L^p ist, sich auch auf den mehrdimensionalen Fall übertragen lassen. Ferner wird bewiesen:" heißen.

#681: **Thurber, James K.**

The last sentence of the review should be replaced by the following. "Here the solution of order b^2 is obtained within the framework of the approximation that the leading edge of the wing is nearly straight."

#1556: **Wilhelm, Kecs**

The author's name should be **Kecs, Wilhelm.**

#1645: **Vranceanu, G.**

The reviewer wishes to retract the final remark.

#1646: **Eftimie, Grecu**

The author's name should be **Grecu, Eftimie.**

#1933: **Wilhelm, Kecs**

The author's name should be **Kecs, Wilhelm.**

#2934: **Suciu, I.**

The first sentence should read: "This is mainly an expository paper presenting results of J. Wermer, H. Helson and F. Quigley, I. M. Singer, H. S. Bear and the author, concerning generalizations . . ." The reader should consult the article under review for fuller references. The editors apologize for their inaccurate and incomplete referencing of this review.

#3010: **Vodnev, V.**

In the first line, read $A_n(x^1, \dots, x^n)$ for $A(x, \dots, x)$.

VOLUME 32 cont.

#3442: Poincelot, Paul

The reviews of this paper and of a paper of Armand Wirgin (MR 32 #3450) should be interchanged.

#3450: Wirgin, Armand

The reviews of this paper and of a paper of Paul Poincelot (MR 32 #3442) should be interchanged.

#4060: Dlab, Vlastimil

The second reference (to an article of E. Suhubi) is incorrect. The reference intended was to an article of the author [Comment. Math. Univ. Carolinae 5 (1964), 241-246; MR 30 #3045].

#4274: Pawel, Todorow

After author's name insert [Todorov, Pavel].

#5045: Kamber, Franz

The result that there exists no classical extension of the von Neumann quantum theory was also obtained by E. P. Specker [Dialectica 14 (1960), 239-246; MR 22 #6715].

#5316: Penrose, R. and Rindler, W.

The authors of Part II are J. Ehlers, W. Rindler and R. Penrose.

#5723: Stallings, John R.

The theorem of Grushko referred to required that the groups be finitely generated; the general case was first proved by D. H. Wagner [Trans. Amer. Math. Soc. 84 (1957), 352-378; MR 18, 790].

#5860: Livingston, A. E.

Insert [Livingston, Albert E.] after the author's name.

#5861: Livingston, A. E.

Insert [Livingston, Albert E.] after the author's name.

#5910: Rosati, Francesco

The reviewer's remark in braces should be deleted.

#7924: Tovmasjan, N. E.

Insert "II." after title.

#8060: Ceitlin, A. I.

Replace F_0 by the Bessel function J_0 .

#8294: Busemann, Herbert

In line 10, delete "(or $axay \geq xy$)". In line 19, read "finitely compact" for "infinitely compact".

#8713: Mathews, P. M.; Sankaranarayanan, A.

Delete the reference.

Index for Volume 32

On p. 1624, combine the entries for S. I. Goldberg and Samuel Goldberg. On p. 1653, change Levine J. to Levine, Jerome P. On p. 1655, #5860 and #5861 should be removed from the entry for Arthur E. Livingston and included in a new entry, for Albert E. Livingston. On p. 1676, replace the entry after Pawel, Todorow by "See Todorov, P. G." On p. 1709, after Todorov, P. G. insert "4274: Über den Radius des Schlichtheitskreises einer Klasse meromorpher Funktionen." On p. 1613, delete the entry for Eftimie, Greu. On p. 1625 insert "Greu, Eftimie. 1646: On Riemannian spaces of genus two with constant connection." On p. 1718, delete the entries for Wilhelm, Kees. On p. 1642, add the following entries to Kees, Wilhelm: 1556: Representation of vector fields with the help of generalized functions; 1933: On some applications of the theory of distributions to theoretical and applied mechanics. On p. 1613, add an entry for Ehlers, J., who is a co-author of Part II of #5316: Energy conservation as the basis of relativistic mechanics. I. II. On p. 1685, under Rindler, W., insert J. Ehlers as a co-author of Part II of #5316. Similarly, for Penrose, Roger, on p. 1676.

VOLUME 33

#38: Siocon, F. M.

After author's name insert [Sioson, F. M.].

#58: Dulmage, A. L.; Mendelsohn, N. S.

The review is of another article. A correct review will appear in a future issue.

#142: Ancochea, G.

In the second line, for "ideal of nilpotent elements" read "set of nilpotent elements".

#397: Hua Lo-keng; Wu Tse-chien; Lin Wei

In heading, replace [Wu Tse-chien] by [Wu Tzu-ch'ien].

#452: Vuc, Livui

The author's name should be Liviu Vuc.

#464: Slepenčuk, K. M.

After author's name insert [Slipenčuk, K. M.].

#472: Sobolev, S. L.

In line 5 from the bottom, replace "the constant h " by " $h \cdot \text{const}$ ".

#605: Veldkamp, G. R.

In the title read "Soddy".

#736: Kumpel, P. G., Jr.

In the last line, read $\pi_1(K)$ for $\pi_1(Q)$.

#968: Cytovich, V. N.; Švareburg, A. B.

First author's name should be V. N. Cytovič.

#1510: Askey, Richard; Wainger, Stephen

In the first display read $2zx$ for $2zn$.

#1522: Zatulovskaya, Claire

After author's name insert [Zatulovskaja, K. D.].

#1580: Bojarskii, B. V.

Following the author's name insert [Bojarski, B.].

#1838: Neubrunn, T.; Šalát, T.

In heading, insert "fasc. 3," before paging.

#2434: Ch'ing Yuan-hsün; Liu Yung-ching; Wang Lien

In bracket following the first name, delete "g", following the second name, replace "ching" by "ch'ing"; replace "Uang" by "Wang" in the third name.

#2804: Viten'ko, Ī. V.; Kostovskii, A. N.

In the title, the second name is Gräffe.

#2809: Koval'čuk, R. M.

Read Kellogg in the title and in the penultimate line.

#2928: Strang, Gilbert

Author's name should be W. Gilbert Strang.

#3008: Faĭnšmidt, V. L.

In last inequality, read $\bar{P}_{m-1}(\xi_1)$ for $P_{m-1}(\xi_1)$.

#4562: Potapov, M. D.

Author's second initial should be K.

#4566: Žuk, V. V.

In the expression for $E_n(f)_C$, read \ln^{1+} in place of \ln .

#4714: Aziz, A. K.

Delete the third and fourth paragraphs.

#5728: Davtjan, G. A.

In the title read p -groups for P -groups.

#5861: Tamrazov, P. M.

In the last line, before the comma insert "and the outer boundary component of $f(B)$ corresponds to $|z|=1$ ".

#7127: Duffin, R. J.; Karlovitz, L. A.

In line 4, read "Farkas" for "Karkas".

TRANSLITERATION OF CYRILLIC

Russian Letter Cap. Ital.	Mathematical Reviews; Zentralblatt für Mathematik	Bulletin Signalétique	Applied Mechanics Reviews	Science Abstracts	U.S. Library of Congress	Amer. Slavic & E. European Review	Journal of Symbolic Logic
А а	a	a	a	a	a	a	a
Б б	b	b	b	b	b	b	b
В в	v	v	v	v	v	v	v
Г г	g	g	g	g	g	g	g
Д д	d	d	d	d	d	d	d
Е е	e	e	e	e	e	e	é
Ё ё	ë	ë	ë	ë	ë	ë	ë
Ж ж	zh	zh	zh	zh	zh	zh	ž
З з	z	z	z	z	z	z	z
И и	i	i	i	i	i	i	i
Й й	j	j	j	j	j	j	j
К к	k	k	k	k	k	k	k
Л л	l	l	l	l	l	l	l
М м	m	m	m	m	m	m	m
Н н	n	n	n	n	n	n	n
О о	o	o	o	o	o	o	o
П п	p	p	p	p	p	p	p
Р р	r	r	r	r	r	r	r
С с	s	s	s	s	s	s	s
Т т	t	t	t	t	t	t	t
У у	u	u	u	u	u	u	u
Ф ф	f	f	f	f	f	f	f
Х х	h	kh	kh	kh	kh	kh	h
Ц ц	c	c	ts	ts	ts	c	c
Ч ч	č	ch	ch	ch	ch	č	č
Ш ш	š	sh	sh	sh	sh	š	š
Щ щ	šč	shch	shch	shch	shch	šč	šč
Ъ ъ	'	'	'	'	'	'	'
Ы ы	y	y	y	y	y	y	y
Ь ь	'	'	'	'	'	'	'
Э э	è	e	é	é	é	è	e
Ю ю	ju	ju	yu	yu	iū	ju	ú
Я я	ja	ja	ya	ya	iā	ja	á

Other *Mathematical Reviews* conventions are as follows:

The Ukrainian І, і are transliterated I, i, respectively.

The Ukrainian І, і are reproduced without change.

The Serbian Ђ, ђ are transliterated Đ, đ, respectively.

The Serbian Ћ, ћ are transliterated Ć, ć; the Serbian Љ, љ are transliterated Dž, dž.



